DETAILS OF ICT USAGE

Maharaja Institute of Technology Mysore

(Approved by AICTE, New Delhi, Recognized by Government of Karnataka
and Affiliated to Visveswaraya Technological University, Belagavi)
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CONTENTS

1. Computer Science and Engineering
2. Civil Engineering
3. Electronics and Communication Engineering
4. Information Science and Engineering
5. Mechanical Engineering
6. Master of Business Administration
7. Master of Computer Applications
8. Basic Science and Humanities

1. COMPUTER SCIENCE AND ENGINEERING

At the Department of Computer Science & Engineering, our faculty members adopted and practicing the various innovations in teaching and learning that ensures effective, efficient, and engaging instruction. Following are some of the activities that contribute to the improvement of student learning

Information and Communication Technology [ICT]:

The new developments in information technologies have opened up a fresh perspective in teaching and learning. At the department, we make use of various ICT tools to improve instruction methods.

Use of ICT as classroom technology:

Use of ICT as classroom technology includes information presentation through overhead / LCD projectors, Television, and Electronic boards, etc. (Figure. 1)

Figure 1: Use of Information and Technology [ICT] as classroom technology

ICT implementation in online learning:

The National Program on Technology Enhanced Learning [NPTEL] is an initiative by seven IIT's and IISc for creating course contents in engineering and science. They create content for numerous courses as web-based supplements and many complete video courses, for forty hours of duration per course.

At the department faculties often refers to the NPTEL course contents which will be useful for teacher training and through them improve the quality of students. Besides, the course materials (both web and video) are freely accessible on the NPTEL website. The following table shows the information about the online courses completed on NPTEL by faculty members at the department.

At the department faculties often refers to the Coursera Online course contents which will be useful for teacher training and through them improve the quality of students. Students need to obtain a Coursera course certificate to submit the assignment. So, this improves the quality of the students.

S/L	Faculty Name	Online Certification Course	Agency	Mode of Learning and Year	Remark
01	Honnaraju B	Knowledge Representation and Reasoning: Artificial Intelligence	NPTEL	Online 2018-19	Completed Successfully
02	Hemanth S R	Big Data	NPTEL	Online 2018-19	Completed Successfully
03	Shruthi N	Data Mining	NPTEL	Online 2018-19	Completed Successfully
04	Honnaraju B	Problem Solving through C Programming	NPTEL	Online 2019-20	Completed Successfully
05	Sumathi S K	Problem Solving through C Programming	NPTEL	Online 2019-20	Completed Successfully
06	Nanda Kumar R B	Accreditation and Outcome Based Learning	NPTEL	Online 2019-20	Completed Successfully
07	Santosh E	Python Programming	NPTEL	Online 2020-21	Completed Successfully

08	Hemanth S R	Academic Writing	NPTEL	Online 2019-20	Completed Successfully

Table 1: ICT Implementation details

Instructional Methods:

Lecturing:

At the department faculty members follow the blackboard teaching method of the syllabus prescribed by the university according to the lesson plan.

Demonstrating:

Demonstration helps to prove a fact through a combination of visual evidence and associated reasoning. Demonstrations help to raise student interest and reinforce memory retention because they provide connections between facts and real-world applications of those facts. Demonstrating instruction method means teaching through examples or experiments.

Collaborating:

Students conduct experiments in groups in various laboratories during their course. This collaborative method allows students to actively participate in the learning process. Final year students carry out a group project as a part of the curriculum, which is an example of a collaborative teaching method. This helps the teacher to assess student's abilities to work as a team, leadership, and presentation skills.

Classroom Discussion:

At the department, faculties facilitate the discussion of the topics in groups.

Usage of Google Classroom:

Google Classroom is a free application designed by Google. Google Classroom helps teachers and students to communicate and can be used to organize and manage assignments, to go paperless, for collaboration between students and between teachers. Google Classroom allows teachers to add materials from a Google drive, connected to that Google Classroom lesson, add files and images from their computer, add a YouTube video or add any other link that teachers want students to visit.

At the department, we made use of Google Classroom to communicate with students, to organize, and to announce notes/ assignments/ handouts among students. These announcements help students to find everything quickly.

Usage of Edmodo:

Edmodo is a global education network that helps connect all learners with the people and resources needed to reach their full potential.

Edmodo helps teachers and students to communicate and can be used to organize and manage assignments, to go paperless, for collaboration between students and between teachers.

List Of Teachers Using ICT Enabled Learning Facility:

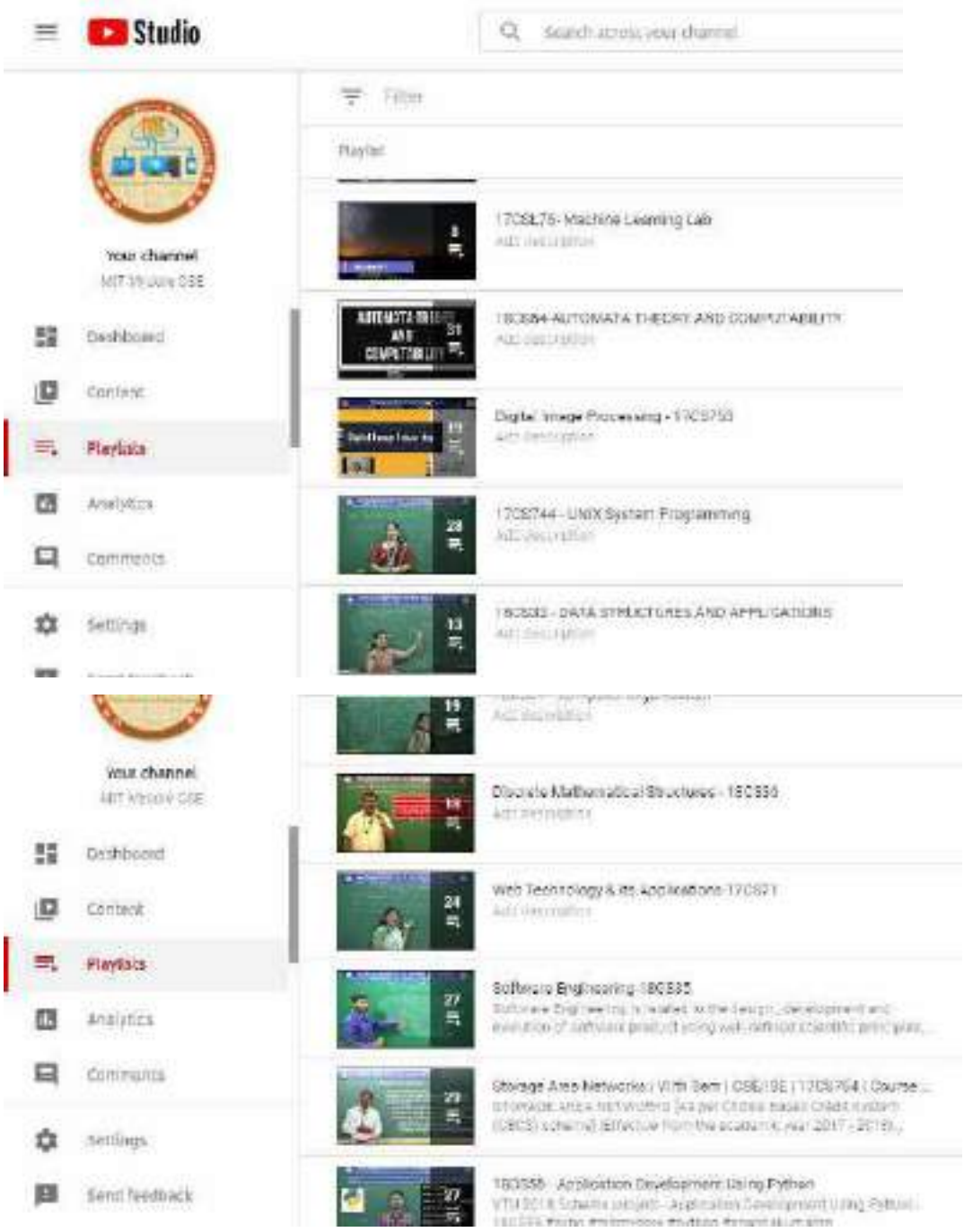
Sl. No.	Name	Designation
1	Dr. Deepu R	Professor and Head

2	Dr. Murali S	Professor
3	Dr. Lokesh M R	Professor
4	Deepthi N	Asst. Prof.
5	Shobha B S	Asst. Prof.
6	Nandakumar R B	Asst. Prof.
7	Hemanth S R	Asst. Prof.
8	Shruthi N	Asst. Prof.
9	Yashaswini A R	Asst. Prof.
10	Sumathi S K	Asst. Prof.
11	Honnaraju B	Asst. Prof.
12	Sushma Koushik N	Asst. Prof.
13	Santosh E	Asst. Prof.
14	Prasanna Patil	Asst. Prof.
15	Ranjith K C	Asst. Prof.
16	Kavya Ravishankar	Asst. Prof.
17	Suhas G	Asst. Prof.
18	Bharath Kumar R	Asst. Prof.
19	Ananda Kumar H N	Asst. Prof.
20	Kavya Priya M L	Asst. Prof.
21	Sowmya Shree P	Asst. Prof.
22	Sindhu A S	Asst. Prof.
23	Divya H N	Asst. Prof.
24	Bhavya M R	Asst. Prof.
25	Shashidhar S	Asst. Prof.

Instructional Materials are available on the Departmental website developed by faculties:

Links of E Notes:

Notes: https://drive.google.com/drive/u/3/folders/1WAS_ei-XgSzvMGPTdlEXsAKQ5CiyHm7C



YouTube Channel Link:

https://www.youtube.com/channel/UCK9k_qL8Io1sht5j_iQM38A

2. CIVIL ENGINEERING

Information and Communication Technology [ICT]:

The new developments in information technologies have opened up a fresh perspective in teaching and learning. At the department, we make use of various ICT tools to improve instruction methods.

1.1 Use of ICT as classroom technology:

Use of ICT as classroom technology includes information presentation through overhead / LCD projectors, Television and Electronic boards, etc (Figure 5.5.1)

Figure 5.5.1: Use of Information and Technology [ICT] as classroom technology

1.2 ICT implementation in online learning:

The National Program on Technology Enhanced Learning [NPTEL] is an initiative by seven IIT's and IISc for creating course contents in engineering and science. They create content for numerous courses as web-based supplements and many complete video courses, for forty hours of duration per course.

At the department, faculties often refer to the NPTEL course contents which will be useful for teacher training and through them improve the quality of students. Besides, the course materials (both web and video) are freely accessible on the NPTEL website. The following table shows the information about the online courses completed on NPTEL by faculty members at the department.

ICT Enable Classrooms – Department of Civil Engineering

Classroom number: 415	Classroom number: 416
Classroom number: CT 319	Classroom number: 419
Classroom number: CT 420	Classroom number: 413

List Of Teachers Using ICT Enabled Learning Facility (IS&E):

S/L	FACULTY NAME	Designation
1	PROF.DR. B. G. NARESH KUMAR	Professor
2	PROF.DR. C. RAMAKRISHNEGOWDA	Professor & HOD
3	PROF.CHANDRASHEKAR M.	Associate Professor
4	PROF. Dr. YASHWANTH M. K.	Assistant Professor
5	PROF. DR. AVINASH GORNALE	Assistant Professor
6	PROF. GURURAJ M. H.	Assistant Professor
7	PROF. PUNITH N.	Assistant Professor
8	PROF. VINAYRAJ K.	Assistant Professor
9	PROF. Dr. MADHU S. P.	Associate Professor
10	PROF. ANIRUDDA A. M.	Assistant Professor
11	PROF. PRADEEP B.	Assistant Professor
12	PROF. Dr. ASHA G.	Assistant Professor
13	PROF. SHANKAREGOWDA	Assistant Professor
14	PROF. BHAVYASHREE B. N.	Assistant Professor
14	PROF. CHANDRASHEKAR GOWDA K. N.	Assistant Professor
15	PROF. J. C. AHOK KUMAR	Assistant Professor
16	PROF. ACHYUTH K. N.	Assistant Professor
17	PROF. VARUN S.	Assistant Professor
18	PROF. MANJUNATHA R. N.	Assistant Professor
19	PROF. RAVIKIRAN L.	Assistant Professor
20	PROF. ASHISH DUBAY B.	Assistant Professor
21	PROF. MANOJ B. R.	Assistant Professor
22	PROF. SHRUTHI D. G.	Assistant Professor

Innovation by the Faculty in Teaching and Learning

The faculty members of the Civil Engineering department ensure an effective and efficient teaching environment for the students by adopting and practicing the various innovations in teaching and learning. Following are some of the activities that contribute to the improvement of student learning.

Instructional Methods:

Lecturing:

At the department faculty members follow the blackboard teaching method of the syllabus prescribed by the university according to the lesson plan.

Peer Demonstrating:

Peer Demonstration helps to prove a fact through a combination of visual evidence and associated reasoning. Demonstrations help to raise student

interest and reinforce memory retention because they provide connections between facts and real-world applications of those facts. Demonstrating instruction method means teaching through examples or experiments.

Demonstrating stack

2Peer Discussion:

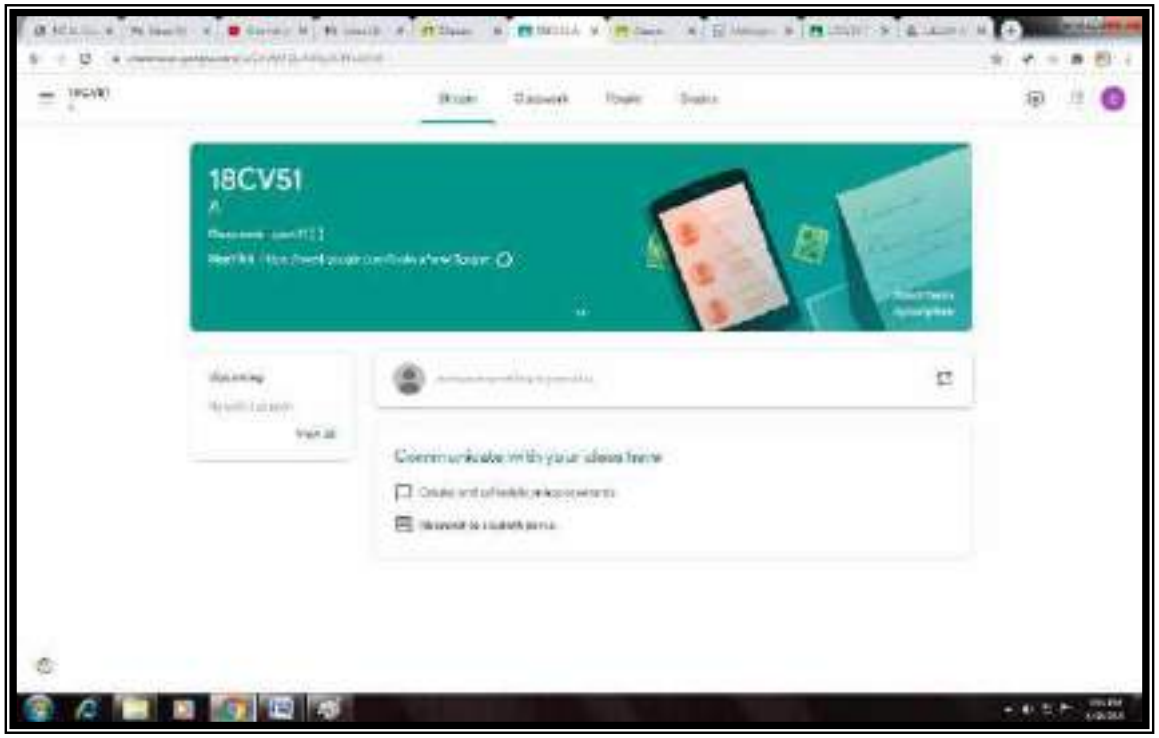
When students answer an in-class conceptual question individually, discuss it with their neighbors, and then revote on the same question, the percentage of correct answers typically increases. This outcome could result from gains in understanding during a discussion, or simply from peer influence of knowledgeable students on their neighbors.

To improve the student's level of understanding about concepts, teachers used the Peer Discussion method where students discuss among themselves to correct answers and gain knowledge.

Usage of Google Classroom:

Google Classroom is a free application designed by Google. Google Classroom helps teachers and students to communicate and can be used to organize and manage assignments, to go paperless, for collaboration between students and between teachers. Google Classroom allows teachers to add materials from a Google drive, connected to that Google Classroom lesson, add files and images from their computer, add a YouTube video or add any other link that teachers want students to visit.

At the department, we made use of Google Classroom to communicate with students, to organize, and to announce notes/ assignments/ handouts among students. These announcements help students to find everything quickly.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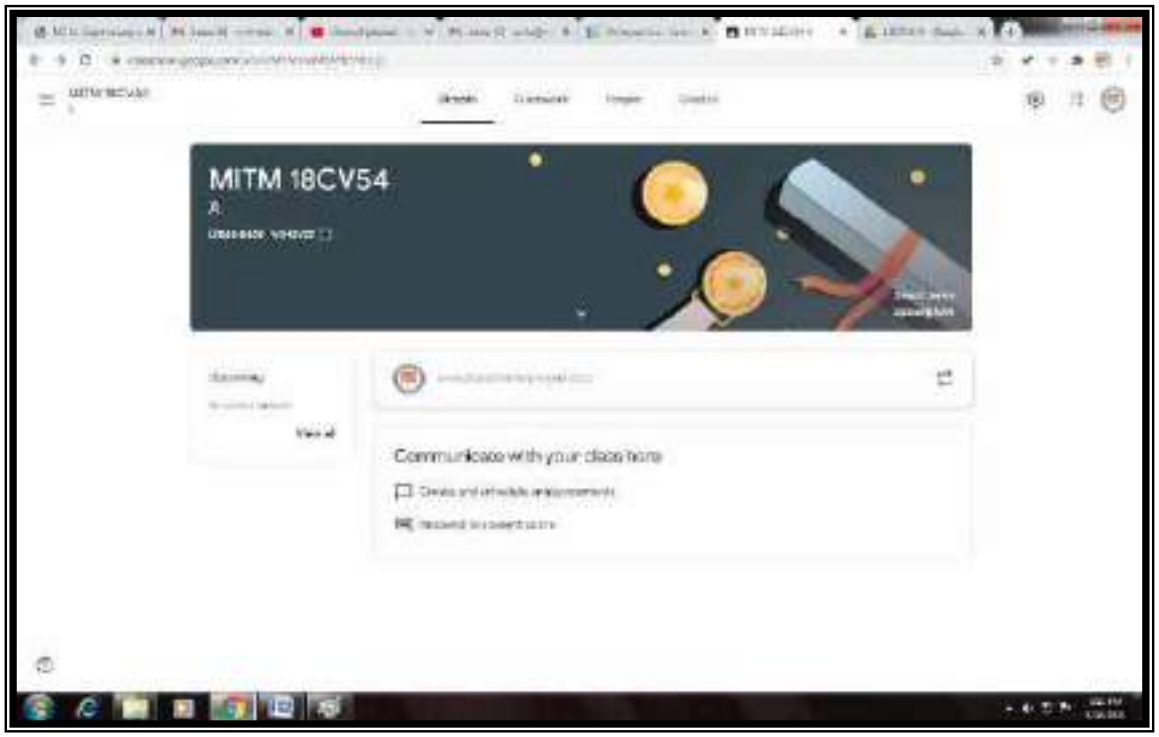
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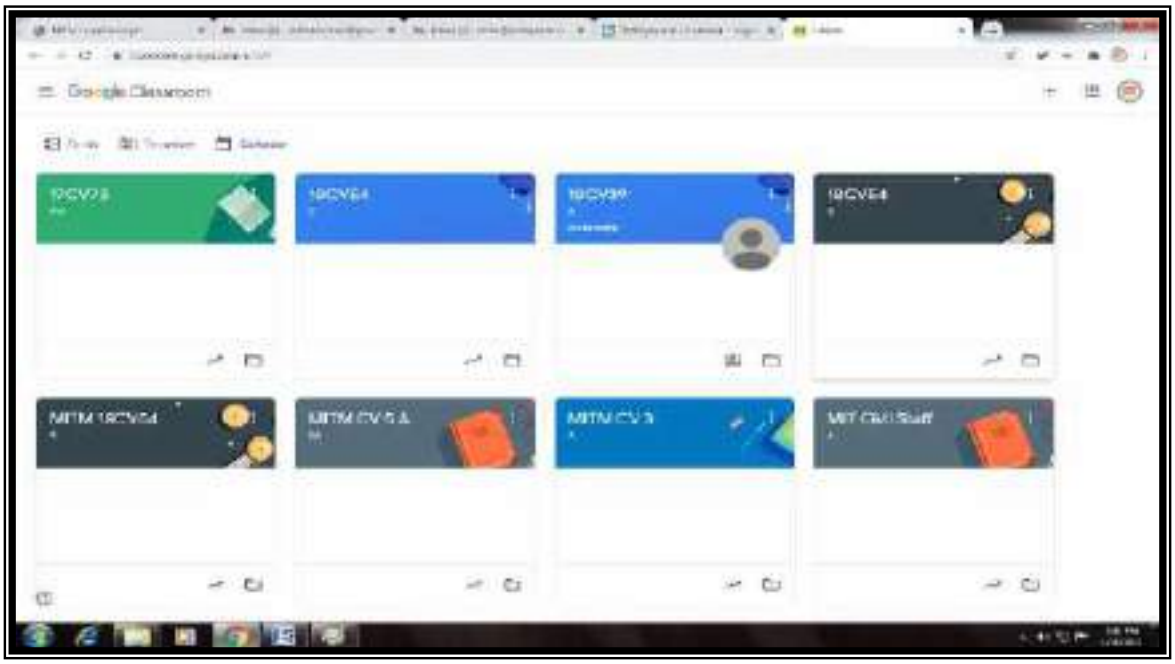
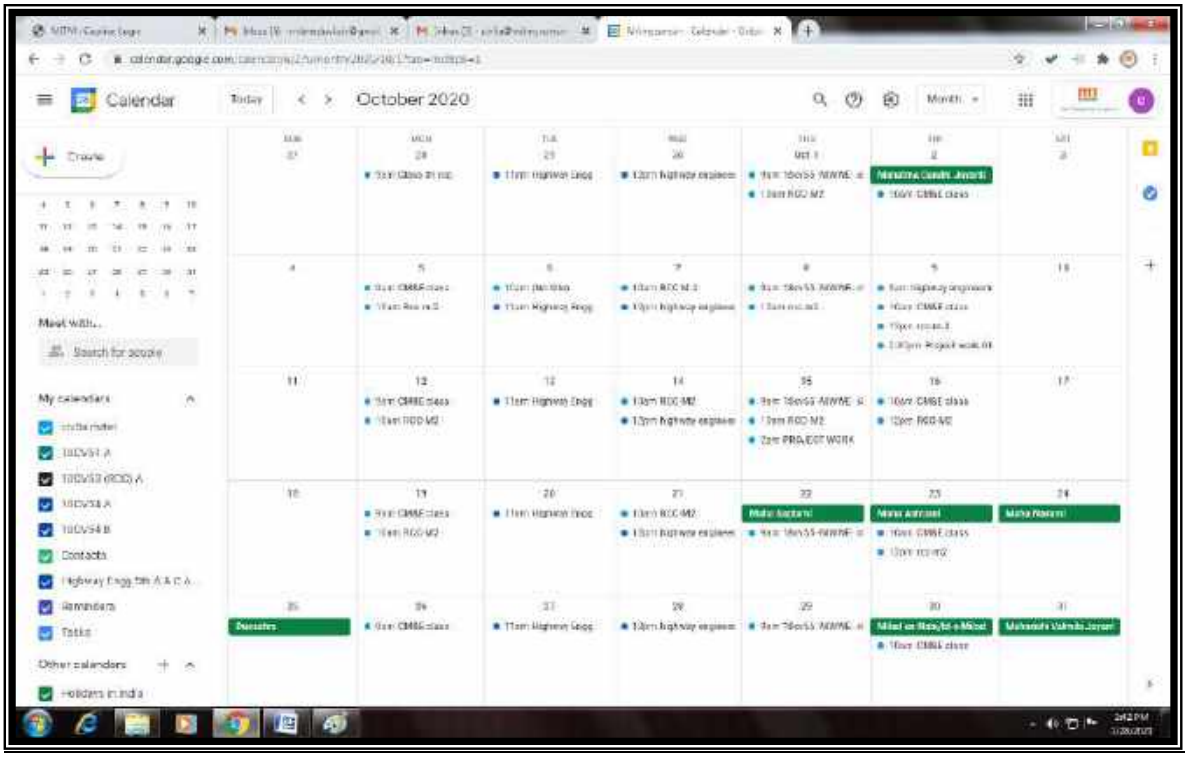
Google classroom for an online class



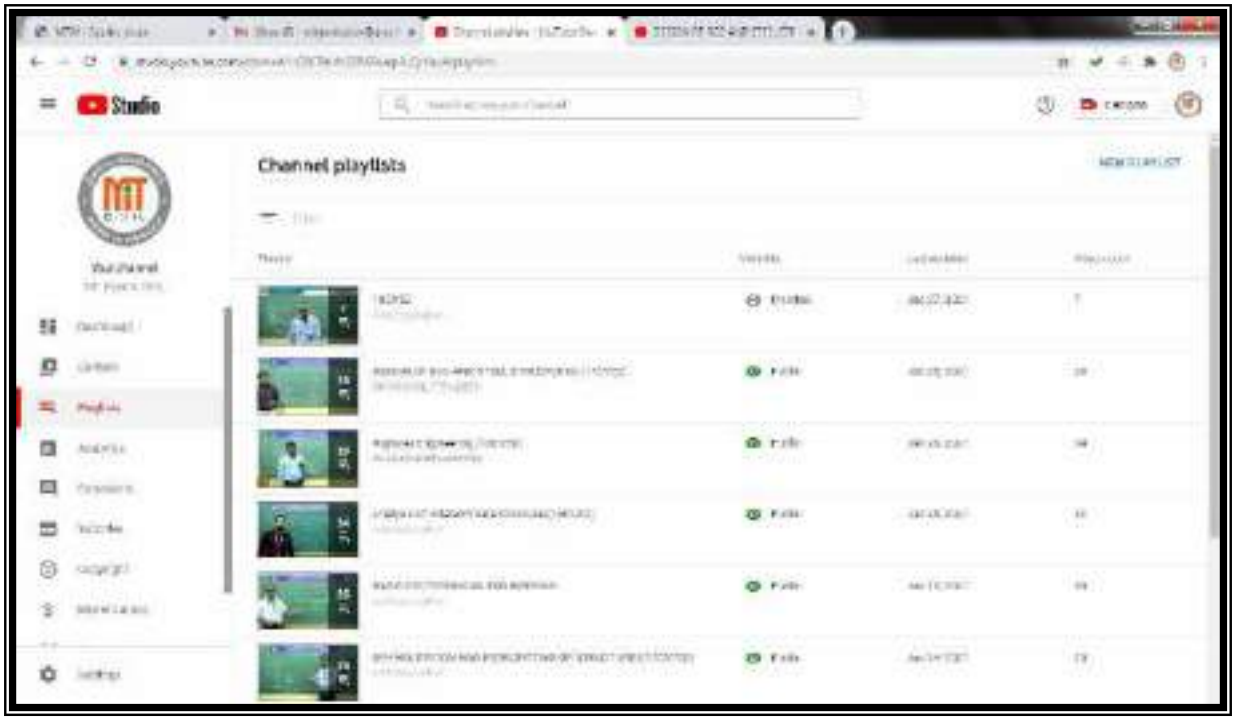
Google classes – calendar of online classes.



Youtube channel of Civil Department

Link:

https://studio.youtube.com/channel/UC8CRAdY22R65wep0_CyKexA/playlists


Studio
Channel playlists

3. ELECTRONICS AND COMMUNICATION ENGINEERING

Information and Communication Technology [ICT]:

The new developments in information technologies have opened up a fresh perspective in teaching and learning. At the department, we make use of various ICT tools to improve instruction methods.

Use of ICT as classroom technology:

Use of ICT as classroom technology includes information presentation through overhead / LCD projectors and Television.

Figure 1: Use of Information and Technology [ICT] as classroom technology

Usage of simulation tools: The faculties are teaching students by simulating circuits and implementing programs using tools such as proteus, MATLAB, electronic workbench, and MASM to gain a better understanding of the subjects.

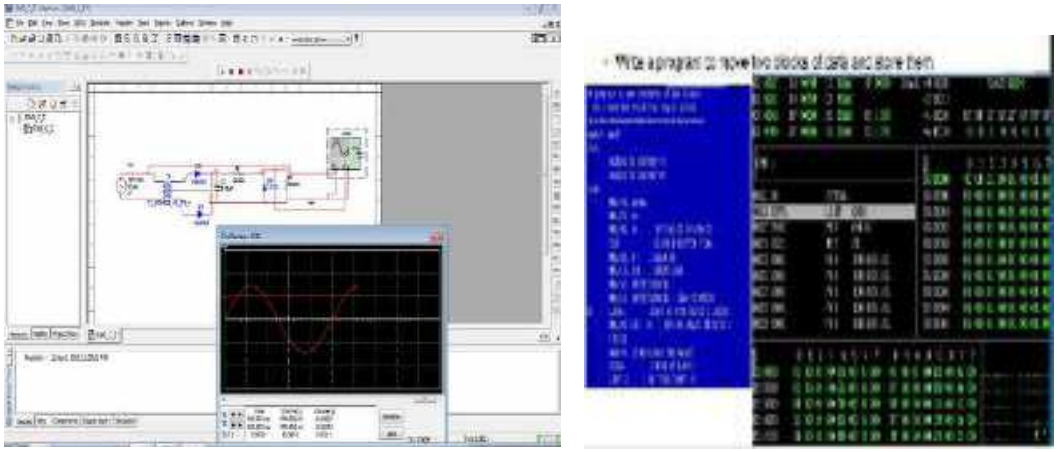


Figure 2: Screenshot of simulation and Program debug result

Usage of Google Classroom:

Google Classroom is a free application designed by Google. Google Classroom helps teachers and students to communicate and can be used to organize and manage assignments, share study materials, and go paperless. Google Classroom allows teachers to add materials, images from their computer and add a YouTube video or add any other link that teachers want students to visit.

At the department, we made use of Google Classroom to communicate with students, organize and announce notes and assignments. These announcements help students to find everything quickly.

Figure 3: Screenshot of Google classroom

Usage of Kahoot/ Google form application:

At the department, we made use of the Kahoot/ Google Form application to conduct quizzes or Multiple-choice questions. This helps the students to learn the concepts and it brings fun to the learning session.

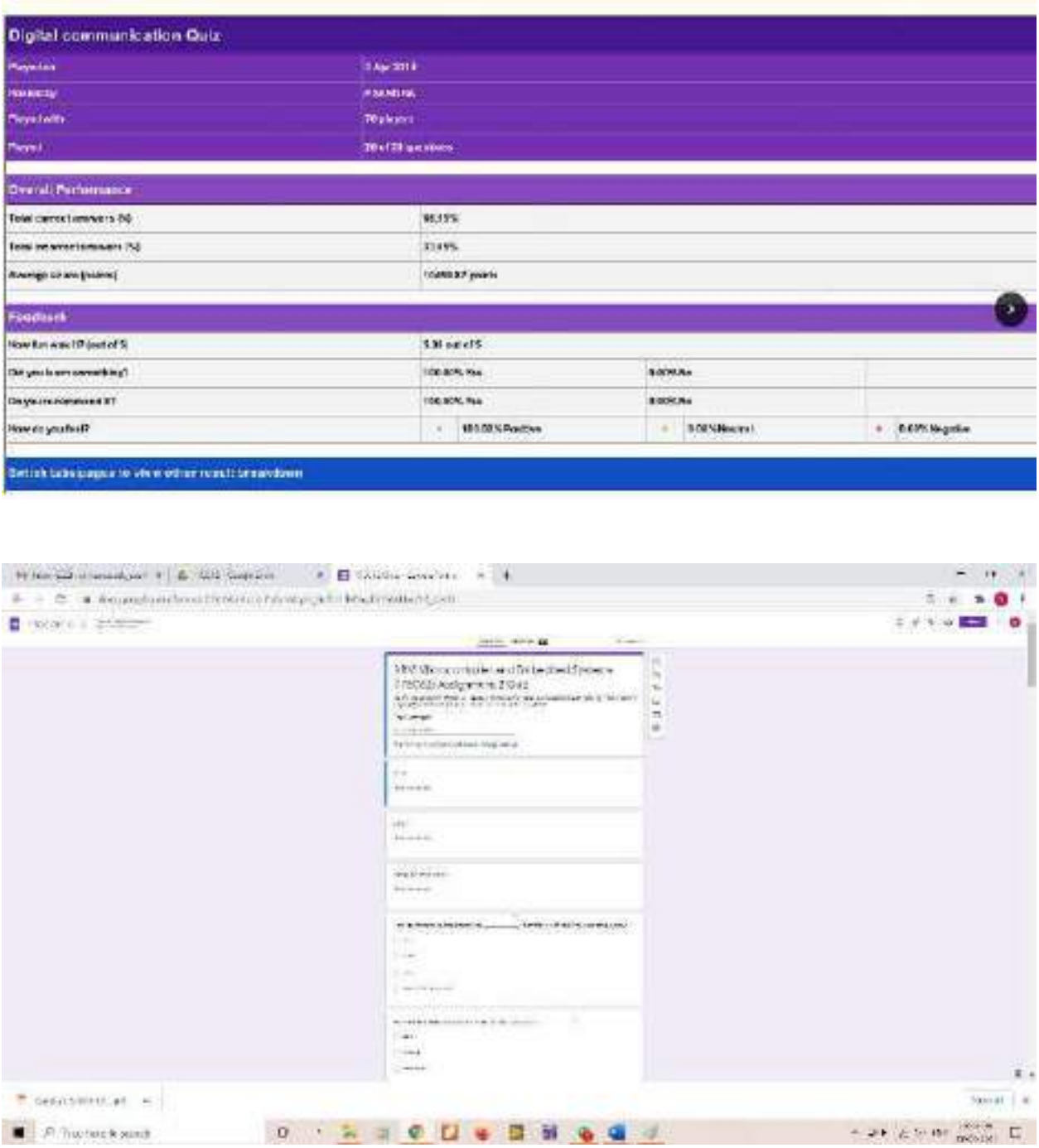


Figure 4: Online Quizzes

ICT Enabled Classrooms

Classroom number: 114

Classroom number: 118

Classroom number: 208

Classroom number: 205

Classroom number: 212

Classroom number: 313

Classroom number: 003

E-Notes:

Instructional Materials, developed by department faculties, are available on the College website. The link is https://drive.google.com/drive/u/2/folders/1fh2nGBz99MiupRVZhwdloEFJDLM2dDHF

Google class room for online class

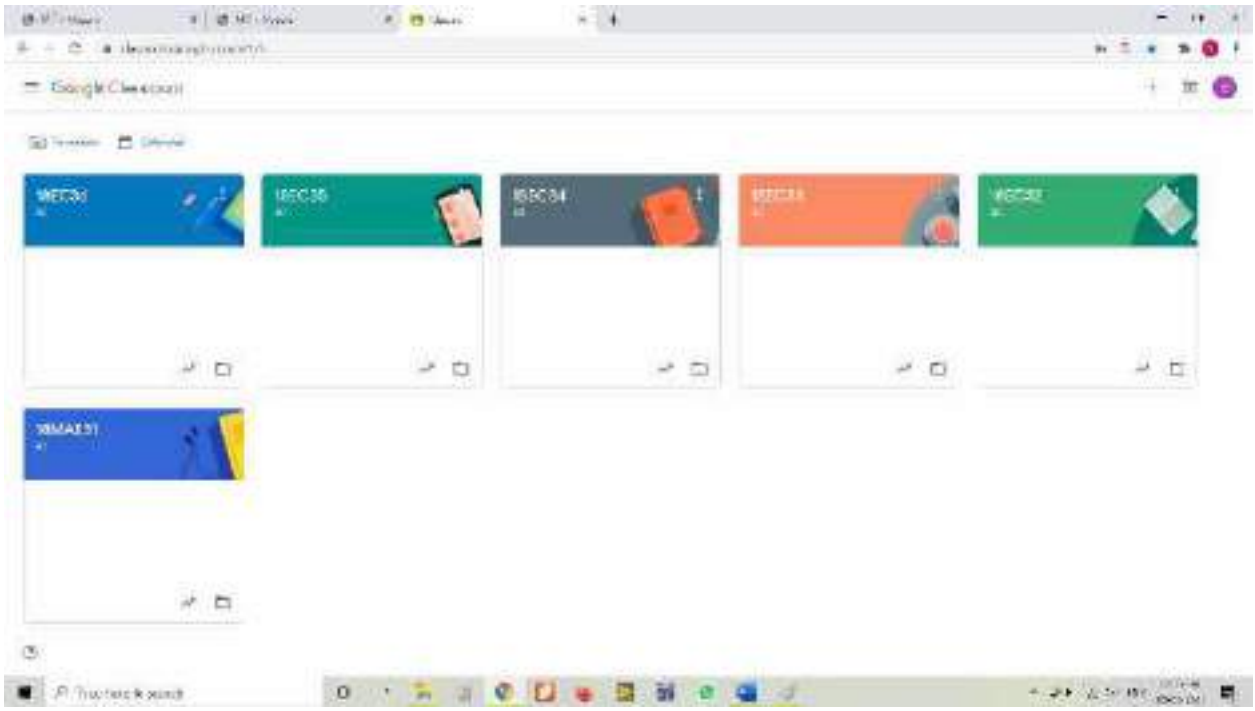


Figure 5: Screenshot of Google Classroom

Google classes – calendar of the online class.

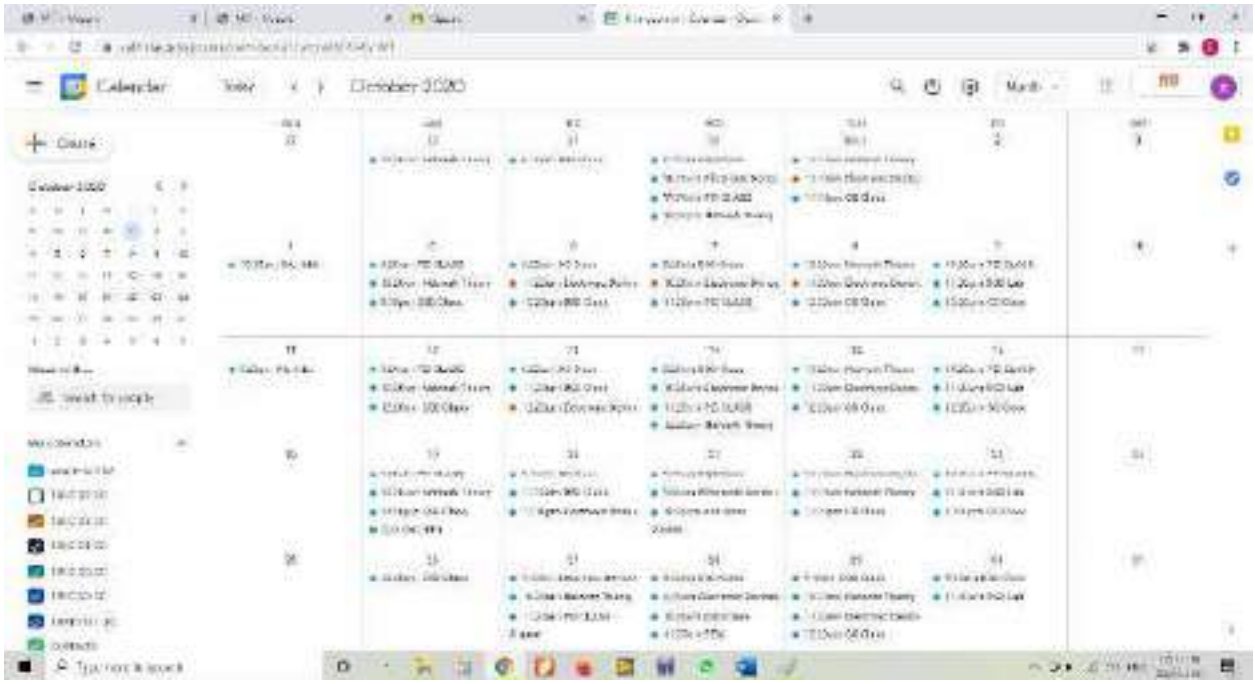


Figure 5: Screenshot of Google Calendar

YouTube Channel of the ECE Department

Link: - https://www.youtube.com/channel/UC--8GAOjPP8FEBaSATglT3w

Figure 6: Screenshot of YouTube channel

4. INFORMATION SCIENCE AND ENGINEERING

Information and Communication Technology [ICT]:

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Use of ICT as class room technology:

Use of ICT as classroom technology includes information presentation through overhead / LCD projectors, Television and Electronic boards, etc

Use of Information and Technology [ICT] as classroom technology

ICT implementation in online learning:

The National Program on Technology Enhanced Learning [NPTEL] is an

initiative by seven IIT's and IISc for creating course contents in engineering and science. They create content for numerous courses as web-based supplements and many complete video courses, for forty hours of duration per course.

At the department, faculties often refer to the NPTEL course contents which will be useful for teacher training and through them improve the quality of students. Besides, the course materials (both web and video) are freely accessible on the NPTEL website.

ICT Enabled Classrooms – Information Science & Engineering Department

Classroom number: M005	Classroom number: M003

Classroom number: 325	Classroom number: 324
Classroom number: 230	Classroom number: 229

List of Faculties using ICT Enabled Learning Facility (Dept - IS&E):

S/L	FACULTY NAME	Designation
1	PROF.DR. VASUDEV T	Professor
2	PROF.DR. SHARATH KUMAR Y H	Professor & HOD
3	PROF.DR. PUSHPA D	Associate Professor
4	PROF. SARASWATHI D	Assistant Professor
5	PROF. AMRUTH V	Assistant Professor
6	PROF. CHITRA C	Assistant Professor
7	PROF. PUNEETH P	Assistant Professor
8	PROF. RAMYA S	Assistant Professor
9	PROF. SMITHASHREE KP	Assistant Professor
10	PROF. SOMASHEKHAR B M	Assistant Professor
11	PROF. CHAITRASHREE.R	Assistant Professor
12	PROF. AJAY KUMAR B R	Assistant Professor
13	PROF. SHARATH H A	Assistant Professor
14	PROF. SIDDARAJ M G	Assistant Professor
14	PROF. SNEHA D.P	Assistant Professor
15	PROF SUHAS G	Assistant Professor
16	PROF. BHAVYASHREE H D	Assistant Professor
17	PROF. SUMAIYA SIDDIQUE	Assistant Professor

Innovation by the Faculty in Teaching and Learning

The faculty members of the Information Science and Engineering department ensure an effective and efficient teaching environment for the students by adopting and practicing the various innovations in teaching and learning. Following are some of the activities that contribute to the improvement of student learning.

Instructional Methods:

Lecturing:

Department faculty members follow the blackboard teaching methods, for the syllabus prescribed by the university, according to the lesson plan.

Peer Demonstrating:

Peer Demonstration helps to prove a fact through a combination of visual evidence and associated reasoning. Demonstrations help to raise student interest and reinforce memory retention because they provide connections between facts and real-world applications of those facts. Demonstrating instruction method means teaching through examples/experiments.

Demonstrating stack

Peer Discussion:

When students answer an in-class conceptual question individually, discuss it with their neighbors, and then revote on the same question, the percentage of correct answers typically increases. This outcome could result from gains in understanding during the discussion, or simply from peer influence of knowledgeable students to their neighbors.

To improve the student's level of understanding about concepts, teachers used the Peer Discussion method where students discuss among themselves to correct answers and gain knowledge.

Usage of Google Classroom:

Google Classroom is a free application designed by Google. Google Classroom helps teachers and students to communicate and can be used to organize and manage assignments, to go paperless, for collaboration between students and between teachers. Google Classroom allows teachers to add materials from a Google drive, connected to that Google Classroom lesson, add files and images from their computer, add a YouTube video or add any other link that teachers want students to visit.

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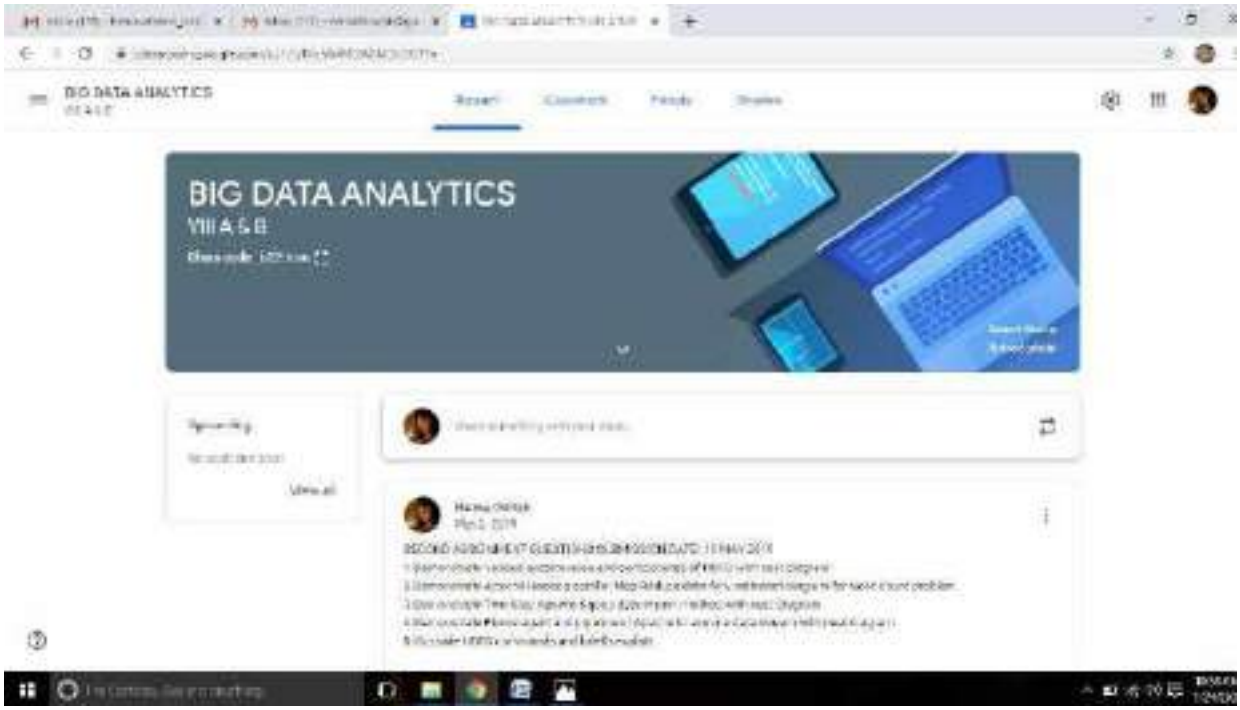
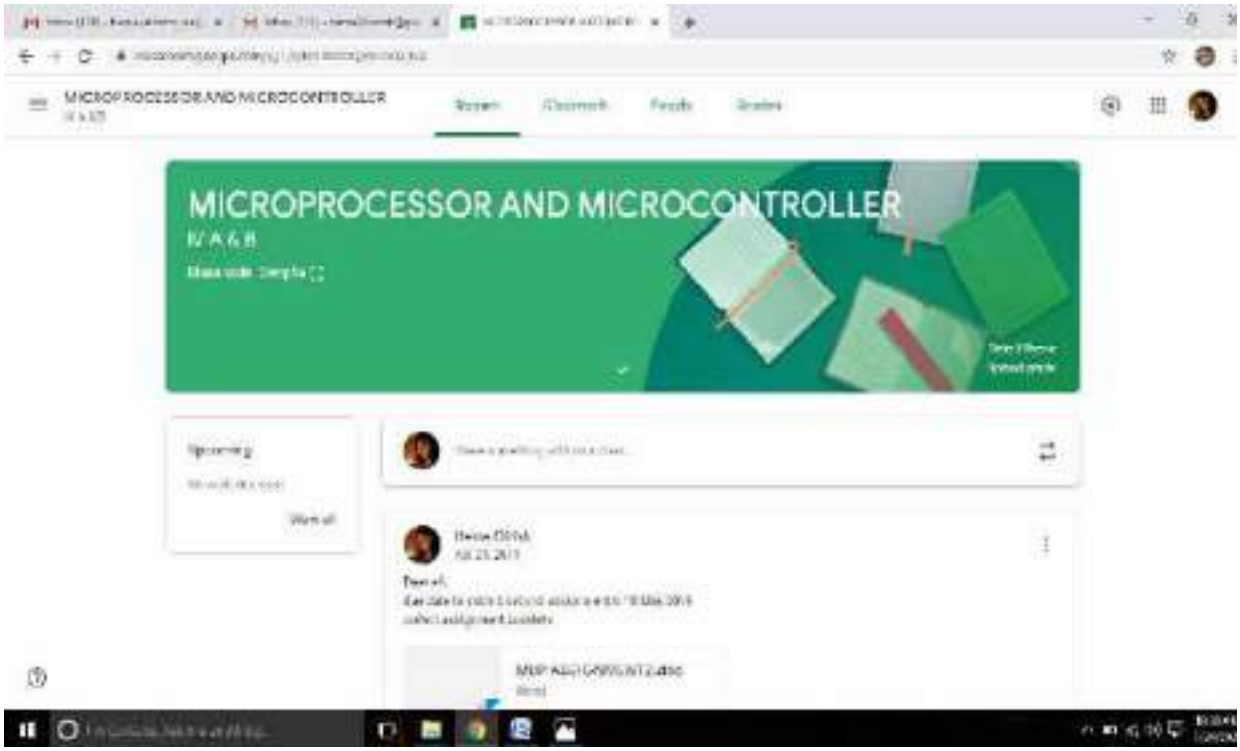
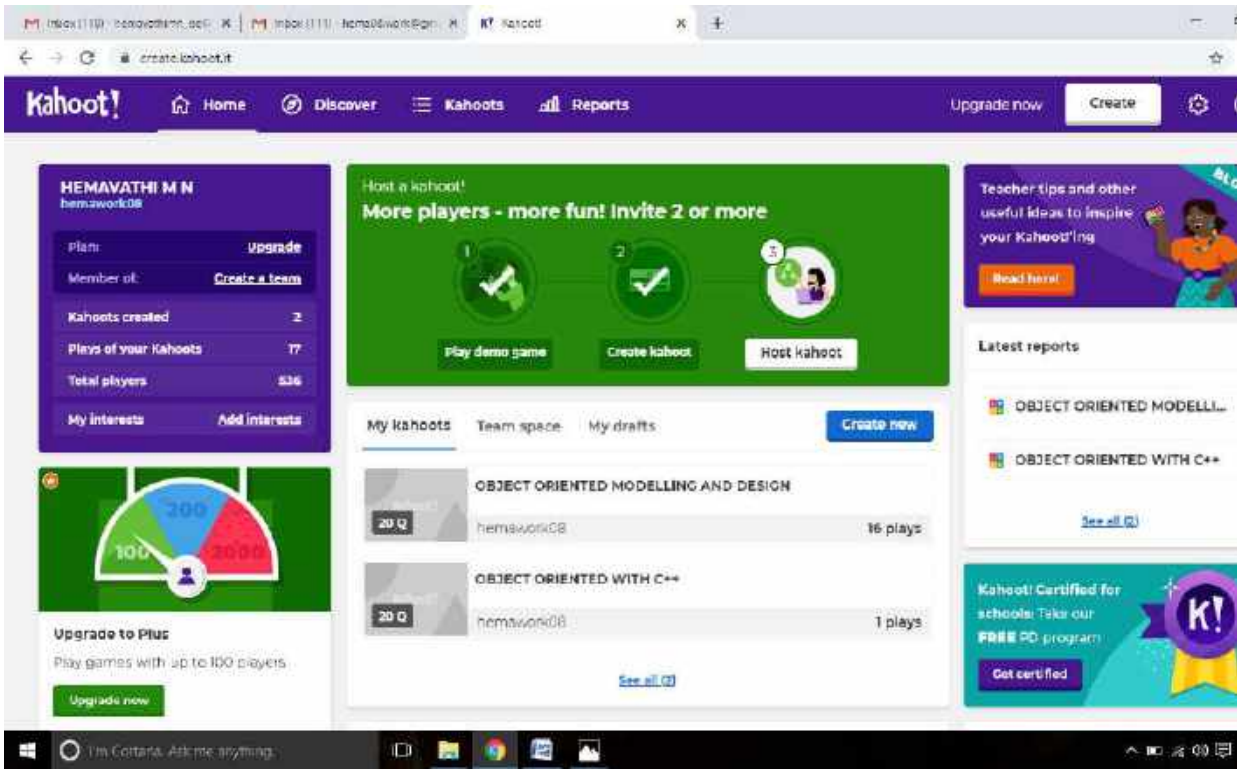

BIG DATA ANALYTICS
VIII A & B

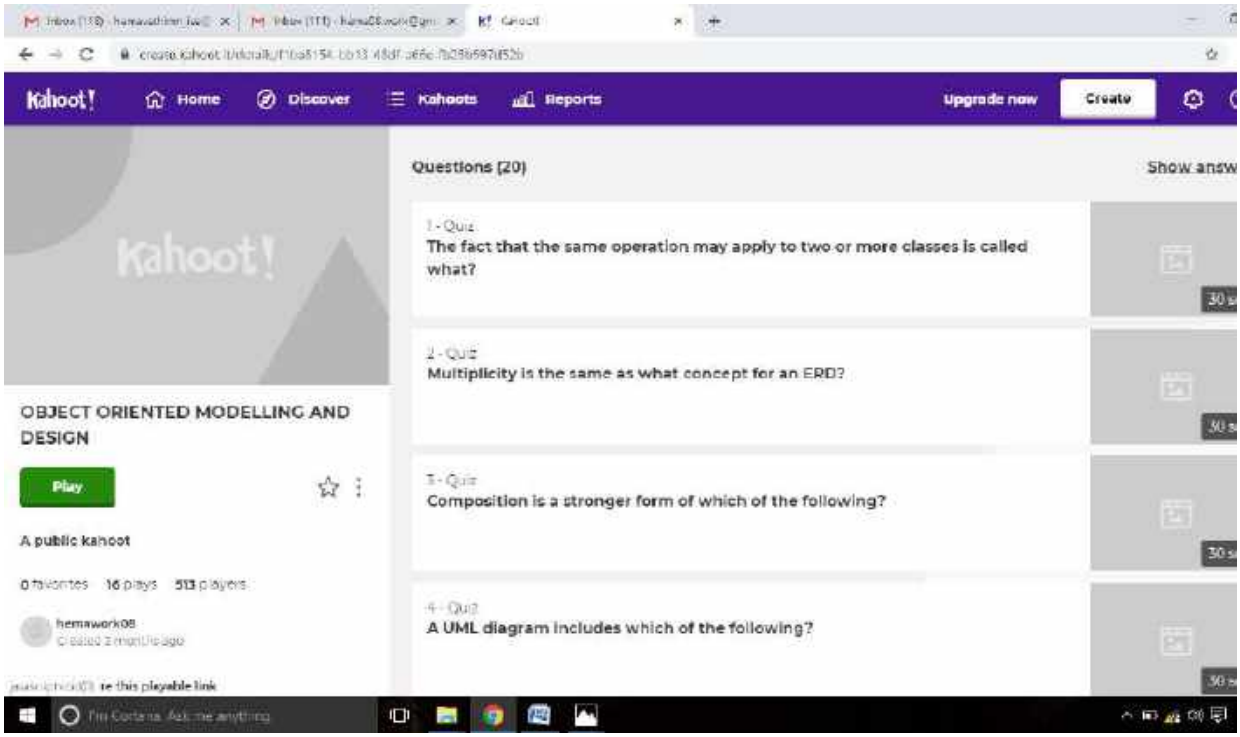

MICROPROCESSOR AND MICROCONTROLLER
IV A & B

Usage of Kahoot application:

Kahoot is a tool for using technology to administer quizzes, discussions, or surveys. It is a game-based classroom response system played by the whole class in real-time. Multiple-choice questions are projected on the screen. Students answer the questions with their smartphone, tablet, or computer.

At the department, we made use of the kahoot application to conduct quizzes in classrooms. This has helped the students to learn the concepts and it brings fun to the learning session.





Instructional Materials are available on the Departmental website developed by faculties:

Links of E_Notes & PPTs:

Notes:

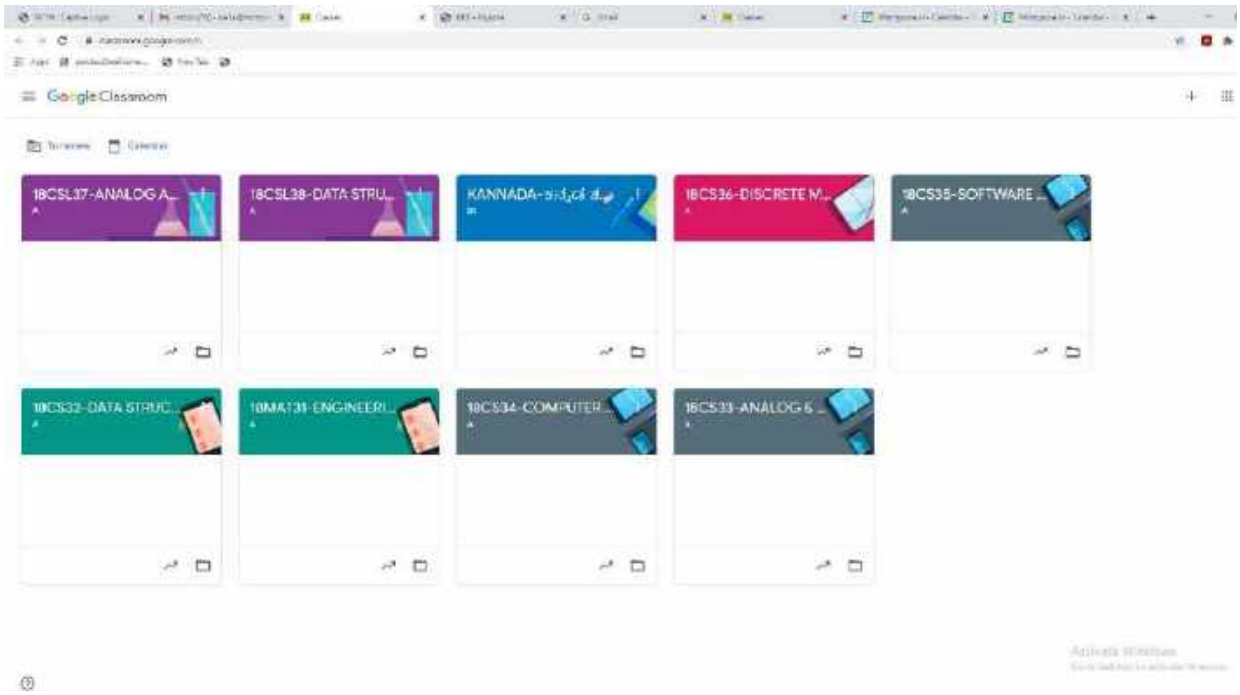
https://drive.google.com/drive/folders/1Uu72qeMmbW4is3ITCwUu9J9q72LPrQDa

PPT*:*

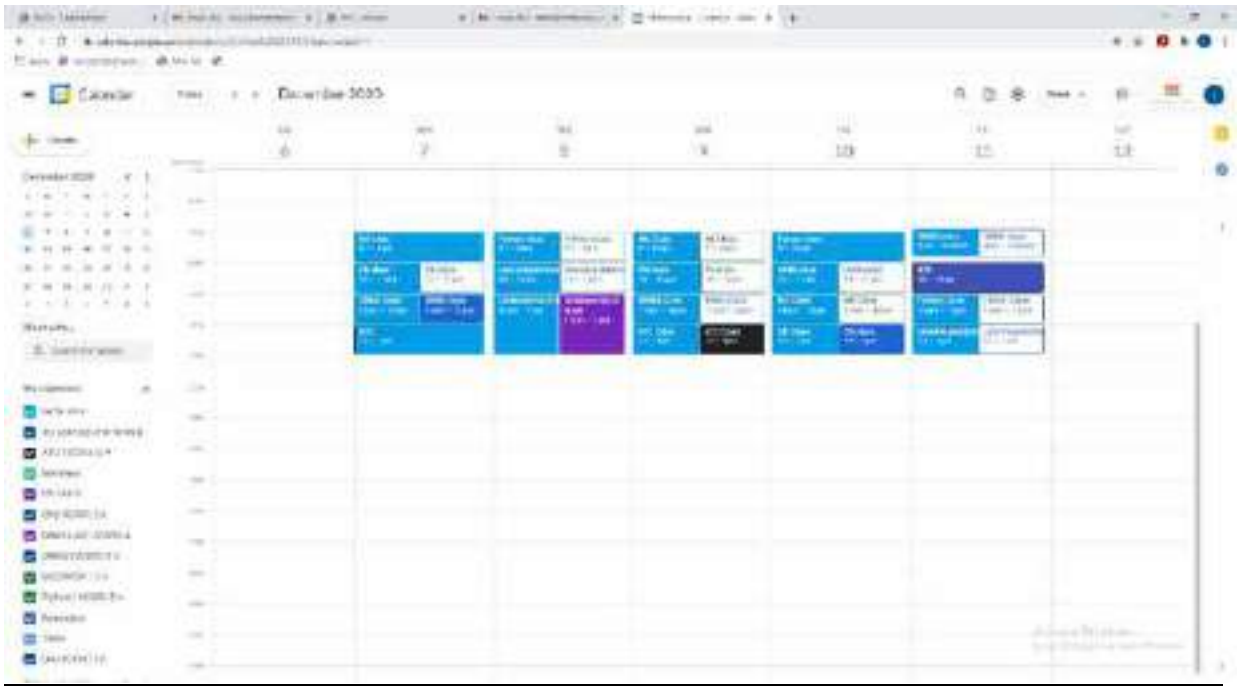
https://drive.google.com/drive/u/1/folders/1OEozICtDOgH9zZJiluoewXqlAdjhdcy4

- We upload all the relevant materials via this Google Link, It helps a student to understand the concepts clearly.

Google classroom for an online class

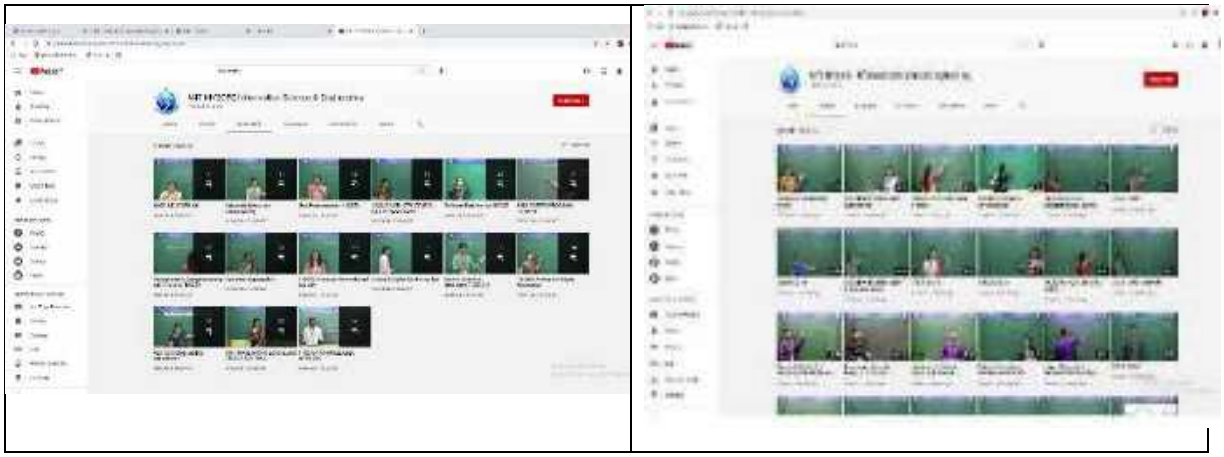


Google classes – calendar of online class



YouTube Channel of the ISE Department

Link:- https://www.youtube.com/channel/UCM4PHnvbhLnEsdeeiLHq_RQ



5. MECHANICAL ENGINEERING

Information and Communication Technology [ICT]:

The new developments in information technologies have opened up a fresh perspective in teaching and learning. At the department, we make use of various ICT tools to improve instruction methods.

Use of ICT as classroom technology:

Use of ICT as classroom technology includes information presentation through overhead / LCD projectors, Television, etc. Projectors in the classrooms are used to teach the students using PowerPoint presentations. Also, students use PowerPoint to present their technical seminars, projects, etc. Smartboards are also helping to improve the teaching-learning process.

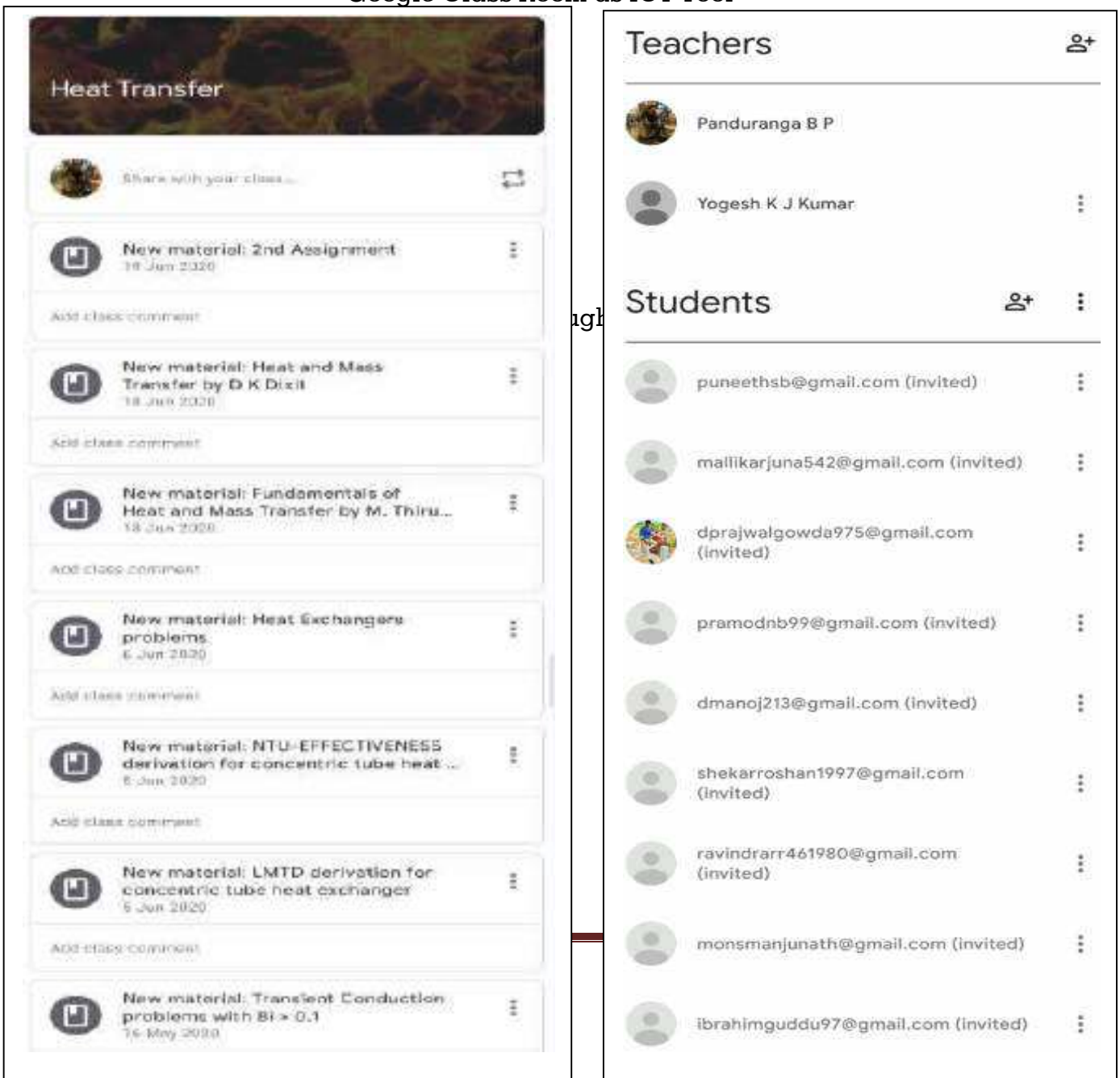
Figure: ICT enabled classrooms

Figure: Large Televisions as an ICT tool to improve teaching and learning

Figure: Overhead Projectors as ICT tools to aid teaching-learning

Figure: Smartboards as an ICT tool to improve teaching and learning

Google Class Room as ICT Tool



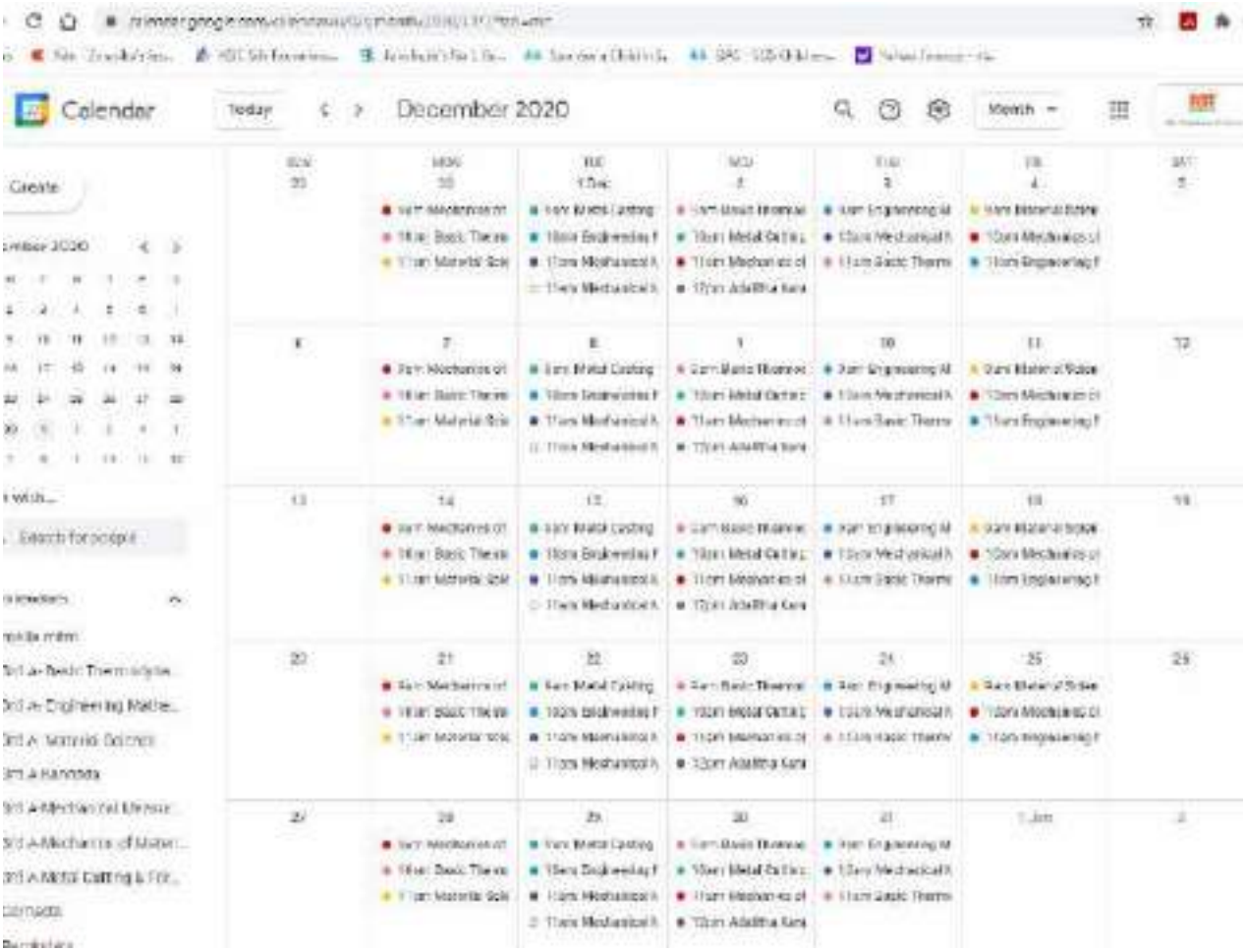


Fig: Monthly Schedule for online classes conducted on Google Meet

Pre-recorded video lecture sessions streamed through YouTube

Fig: Pre-recorded video lecture sessions streamed through YouTube

Semester wise lecture videos uploaded on department YouTube channel

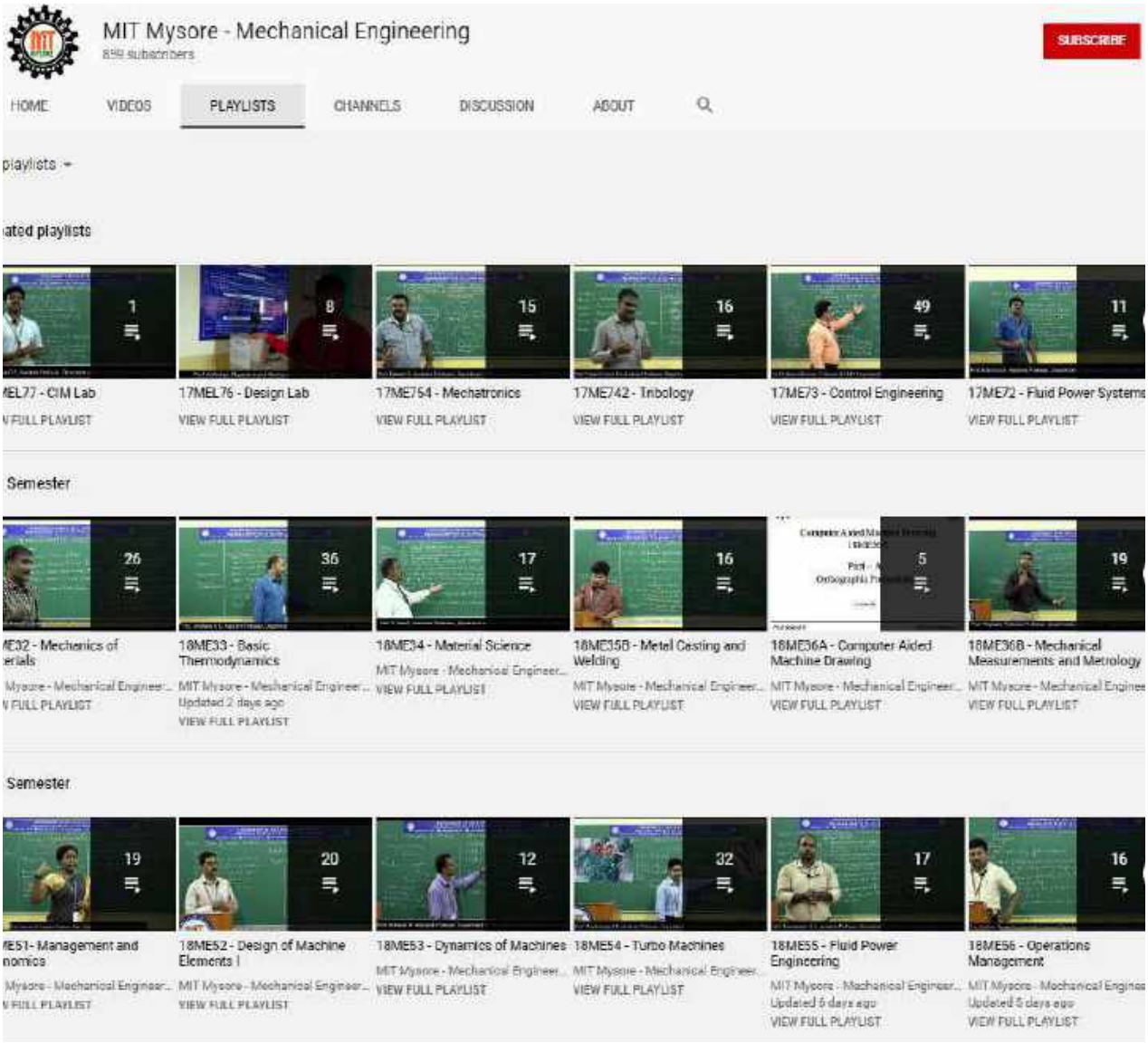


Fig: Semester wise lecture videos uploaded on department YouTube channel

The link for the department digital notes is as follows:

https://drive.google.com/drive/u/1/folders/1r4pKFE3zQWajIxnO6KupsyYuZ-9cdGG3

The link for the department YouTube videos is as follows:

https://www.youtube.com/channel/UCbh7S6dctPn5SNxfMRmuH1A

6. MASTER OF BUSINESS ADMINISTRATION

Information and Communication Technology (ICT) in education is the mode of education that uses information and communications technology to support, enhance, and optimize the delivery of information & knowledge. Worldwide research has shown that ICT can lead to improved student learning and better teaching methods. Information and Communication Technologies are currently being used in education also to assist students to learn more effectively by providing teachers with access to a wide range of new pedagogy. These technologies are also being used to enable teachers to do administrative tasks more efficiently. Hence the use of Information & Communication Technology (ICT) is considered as a valuable tool to enhance the learning experience and accessing resources to easily deliver management education at a higher quality and acceptable standards in MITM MBA.

MITM MBA General ICT Tools for Teaching and Learning

Teachers using ICT for effective teaching with Learning Management Systems (LMS) includes:

Desktop and Laptops

Projector

Digital Camera

Recording Studio

Internet/wifi

Printer

Photocopier

Smart Phones/Tablets

Pen Drive

E-Learning Resources

ERP System

The college has developed an integrated ERP System that acts as a comprehensive tool for faculty, students, and administrators to overcome the challenges in the process of college admissions and post-admission. The entire college admission process is proposed to be digitized with the tool starting from Application, Selection, and Intimation & Admissions. The tool is also an

online platform that is meant to manage the entire gambit of CBCS from registration, of course, registration by the faculty, allocation of courses to the faculty, student attendance, internal assessment, end-semester assessment, and conversion of marks to grades, declaration of results, grade card generation, distribution, etc.

MITM MBA (ICT) Teaching Methodologies Followed by the Faculty Members in Class Rooms like:

- The academic plan with budget, notes of lesson, assignments, practical components, case studies, and question banks are made available at the very beginning of the semester.
- The use of multimedia teaching aids like LCD projectors, smart classrooms, and internet-enabled laptops are usually employed in the classroom.
- Electronic e-learning resource packages like NPTEL & other MOOCs are available. The faculty members effectively utilize multimedia to demonstrate the concepts to the students using the resources from National Programme on Technology Enhanced Learning (NPTEL) & other MOOCs to enhance the learning experience.
- A hard disk containing web and video courses (offline) from NPTEL is accessible to faculty and students from the server installed in the library. These courses are part of LMS.
- Online tests are conducted and e-assignments are given through 'MOODLE' (ZOOM, Google Meet, Goto Meeting) software.
- A sufficient number of books, journals, e-journals, and e-books are available in the library. The research journals are available online and a facility for accessing these journals is provided through a proxy server on the campus.
- Every year, MITM MBA conducts seminars, workshops, and guest lectures on the new developments in the core subjects for effective teaching and learning by the faculty members and students.
- Research laboratory and communication skill laboratory help the faculty to enhance knowledge in the field of English communication and writing skills.
- The seminar hall is equipped with multimedia facilities. Invited talks and webinars are conducted in the seminar hall using ICT facilities.

MITM MBA Details of ICT Facilities of Class Rooms and Seminar Hall

Sl.No	Class Room Details	Geo Tagged Details	Photo
1	264/Class Room 1/Chanakya	12.365953,76.687714	
2	265/Class Room 2/Koutilya	12.365947,76.687698	
3	268/Class Room 3/Tutorial Room	12.365945,76.687698	
4	270/Class Room 4/LavaKusha	12.365946,76.687698	

5	271/Class Room 5/HRM/MM	12.365944,76.687653	
6	269B/Board Room	12.365944,76.687653	
7	267/Recording Room	12.365945,76.687698	
8	261/Seminar Hall	12.365945,76.687698	

7. MASTER OF COMPUTER APPLICATIONS

Information and Communication Technology [ICT]:

The new developments in the information technologies have opened up fresh prospective in teaching and learning. At the department we make use of various ICT tools in order to improve instruction methods.

Use of ICT as class room technology:

Use of ICT as class room technology includes information presentation through overhead / LCD projectors.

Use of Information and Technology [ICT] as classroom technology

ICT implementation in online learning:

The National Program on Technology Enhanced Learning [NPTEL] is an initiative by seven IIT's and IISc for creating course contents in engineering and science. They create contents for numerous courses as web based supplements and many complete video courses, for forty hours of duration per course.

At the department, faculties often refers to the NPTEL course contents which will be useful for teacher training and through them improve the quality of students. In addition, the course materials (both web and video) are freely accessible on NPTEL website.

ICT Enabled Classrooms – Department of Master of Computer Applications

Classroom number: LH2

Classroom number: LH1

List of Faculties using ICT Enabled Learning Facility (Dept of MCA):

S/L	FACULTY NAME	Designation
1	PROF.MANJUNATH B	Associate Professor & HOD

2	PROF.SUBRAHMANYA R A	Associate Professor
3	PROF. AMOS R	Assistant Professor
4	PROF. ASHWIN H M	Assistant Professor
5	PROF. THEJASWINI M N	Assistant Professor
6	PROF. PAVITHRA T S	Assistant Professor
7	PROF. MAHALAKSHMI M	Assistant Professor

Innovation by the Faculty in Teaching and Learning

The faculty members of Master Computer Applications department ensures effective and efficient teaching environment to the students by adopting and practicing the various innovations in teaching and learning. Following are some of the activities that contribute to the improvement of student learning.

Instructional Methods:

Lecturing:

Department faculty members follow the black board teaching methods, for the syllabus prescribed by the university, according to the lesson plan.

Peer Demonstrating:

Peer Demonstration helps to prove a fact through a combination of visual evidence and associated reasoning. Demonstrations help to raise student interest and reinforce memory retention because they provide connections between facts and real-world applications of those facts. Demonstrating instruction method means teaching through examples/experiments.

Demonstrating Queue/ Circular Queue

Peer Discussion:

When students answer an in-class conceptual question individually, discuss it with their neighbors, and then revote on the same question, the percentage of correct answers typically increases. This outcome could result from gains in understanding during discussion, or simply from peer influence of knowledgeable students to their neighbors.

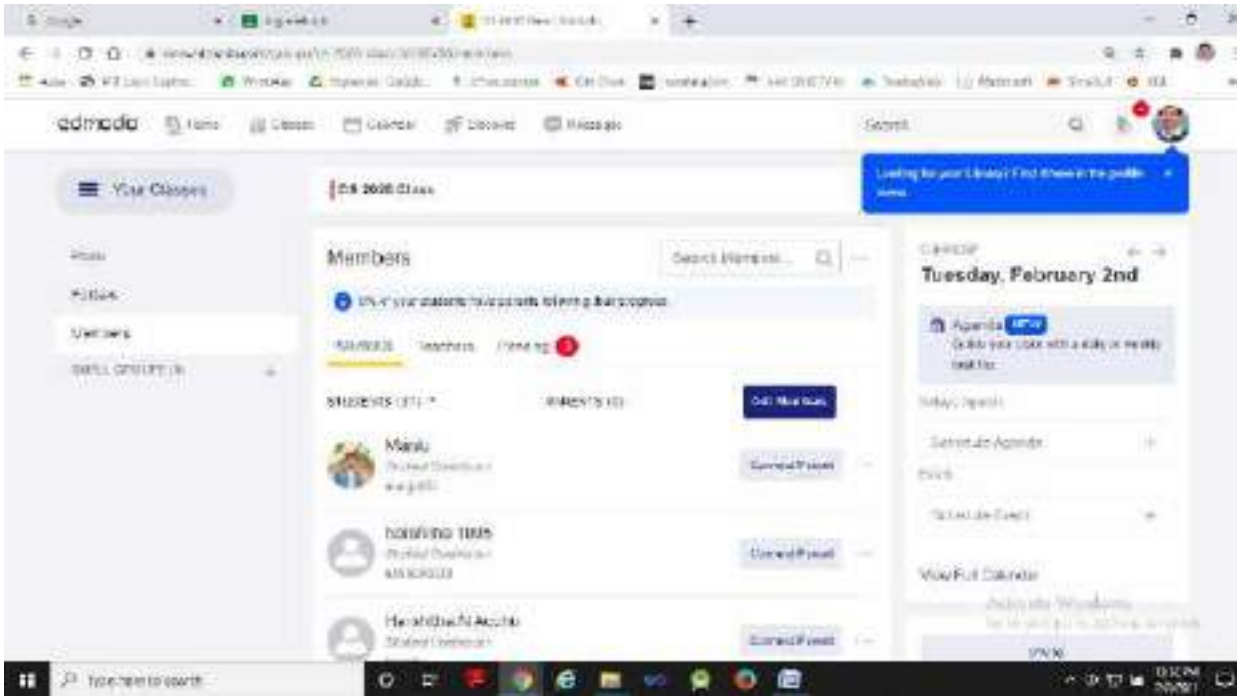
To improve the student's level of understanding about concepts, teachers used Peer Discussion method where students discuss among themselves to correct answers and gain knowledge.

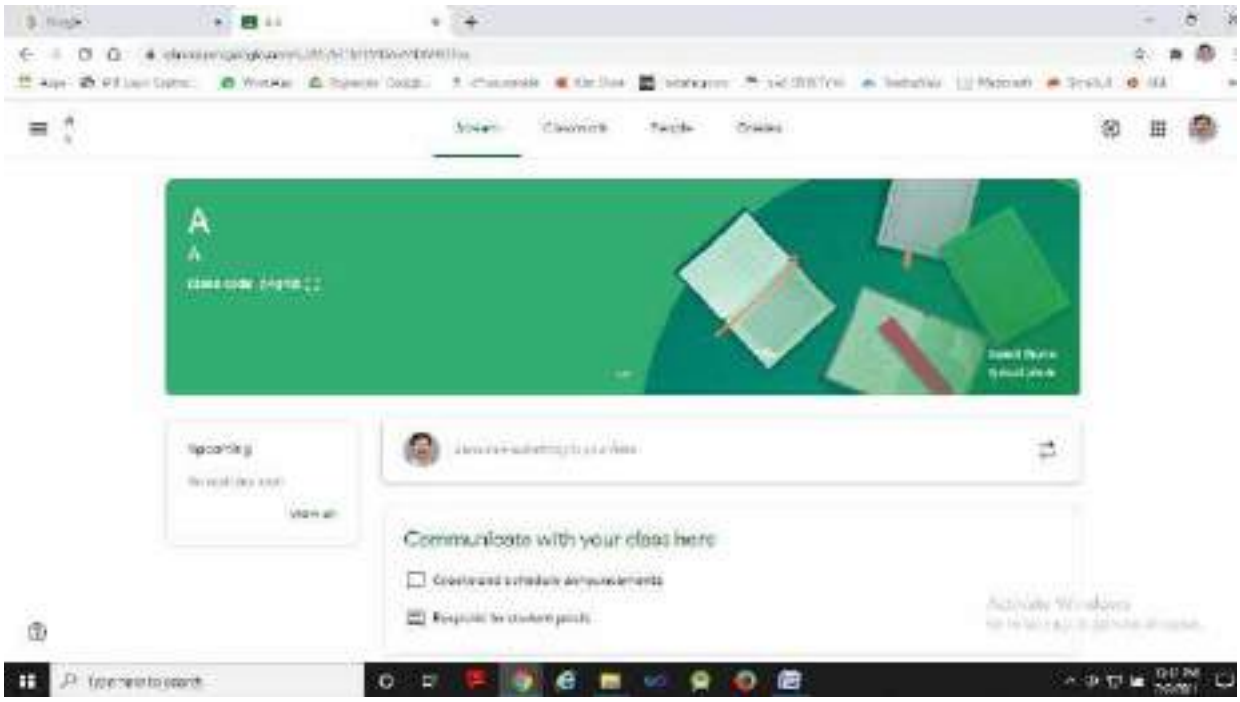
Students are grouped and assigned with the scenario to solve a problem statement. The scenario is built by using the discussed subject concept. Students discussed the scenario with their assigned group and they came up with their own solution to the scenario. After the group discussion, each student group will demonstrates their solution what they discussed in their group to the whole class. During this student demonstration queries from other student group were discussed. Through this activity students understood how to solve real world scenarios and improve their problem solving, communication and representation skills.

Usage of Google Classroom:

Google Classroom is a free application designed by Google. Google Classroom helps teachers and students to communicate and can be used to organize and manage assignments, to go paperless, for collaboration between students and between teachers. Google Classroom allows teachers to add materials from a Google drive, connected to that Google Classroom lesson, add files and images from their computer, add a YouTube video or add any other link that teachers want students to visit.

At the department we made use of Google Classroom to communicate with students, to organize and to announce about notes/ assignments/ handouts among students. These announcements help students to find everything quickly.



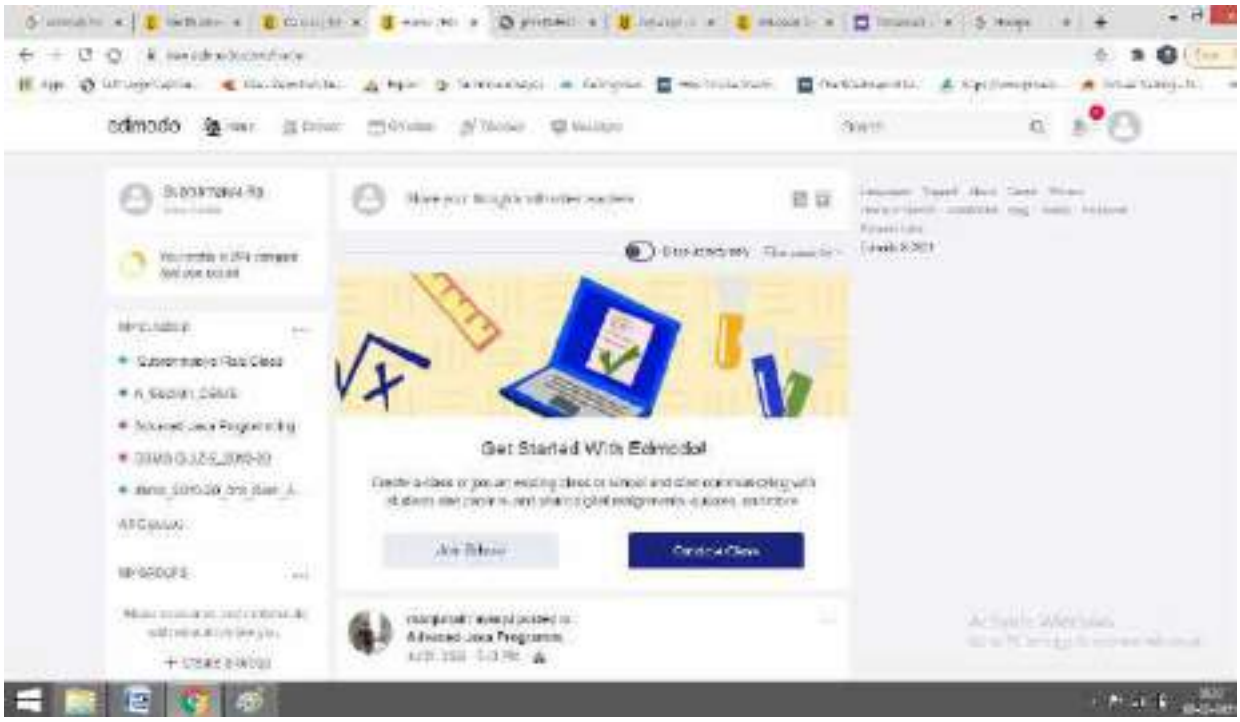


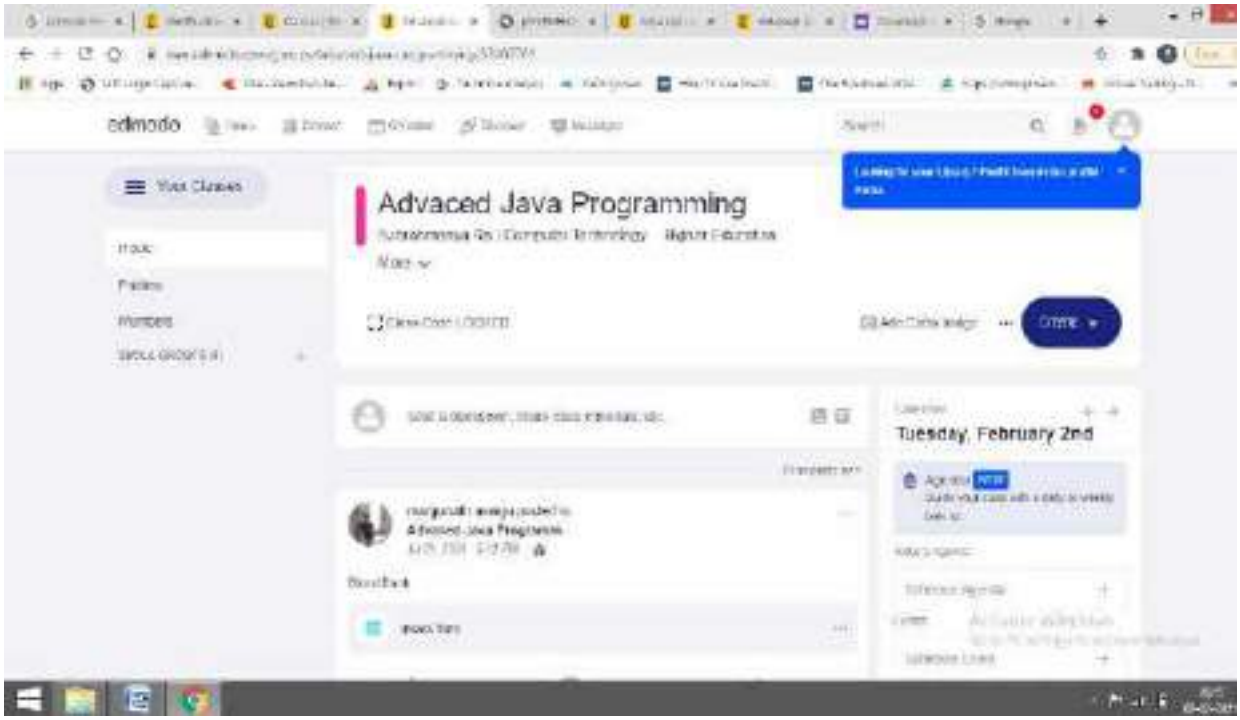
Usage of Edmodo application:

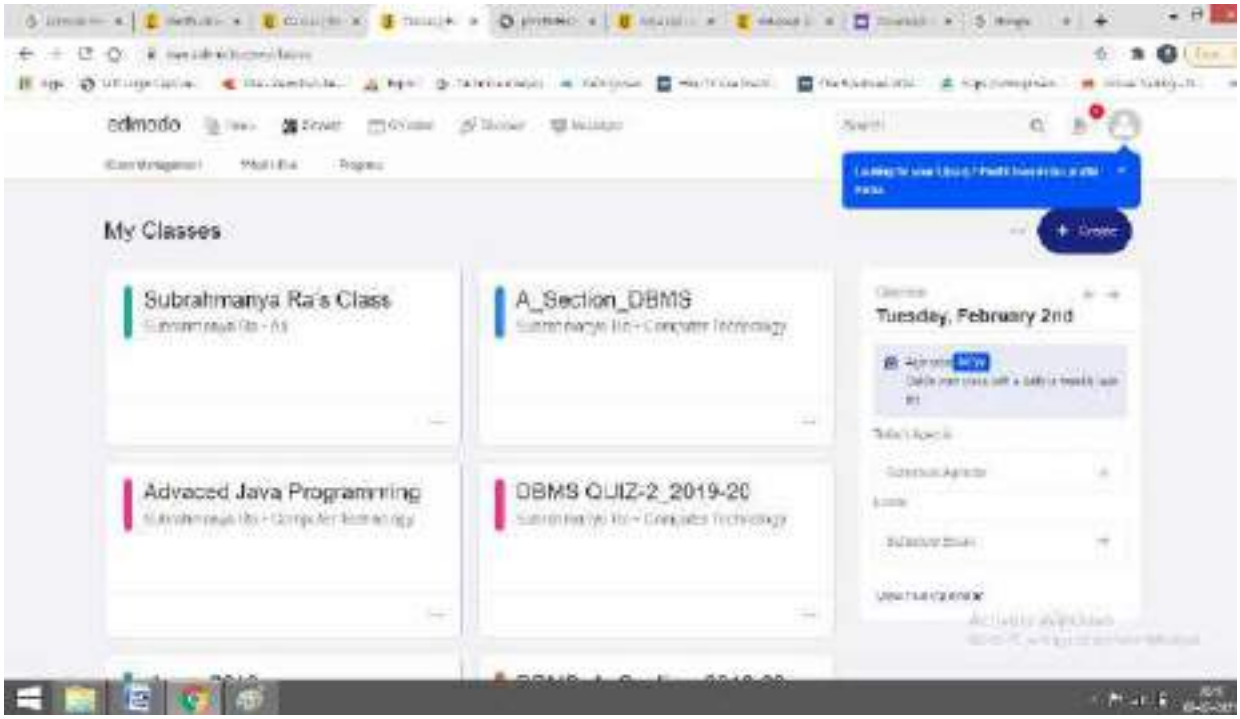
Edmodo is a tool for using technology to administer quizzes, discussions or surveys, notes and videos sharing. It is a classroom based response system participated by the whole class in real time. Multiple-choice questions are shared through Edmodo. Students answer the questions with their smart phone, tablet or computer. Teachers are also using the Google forms to conduct

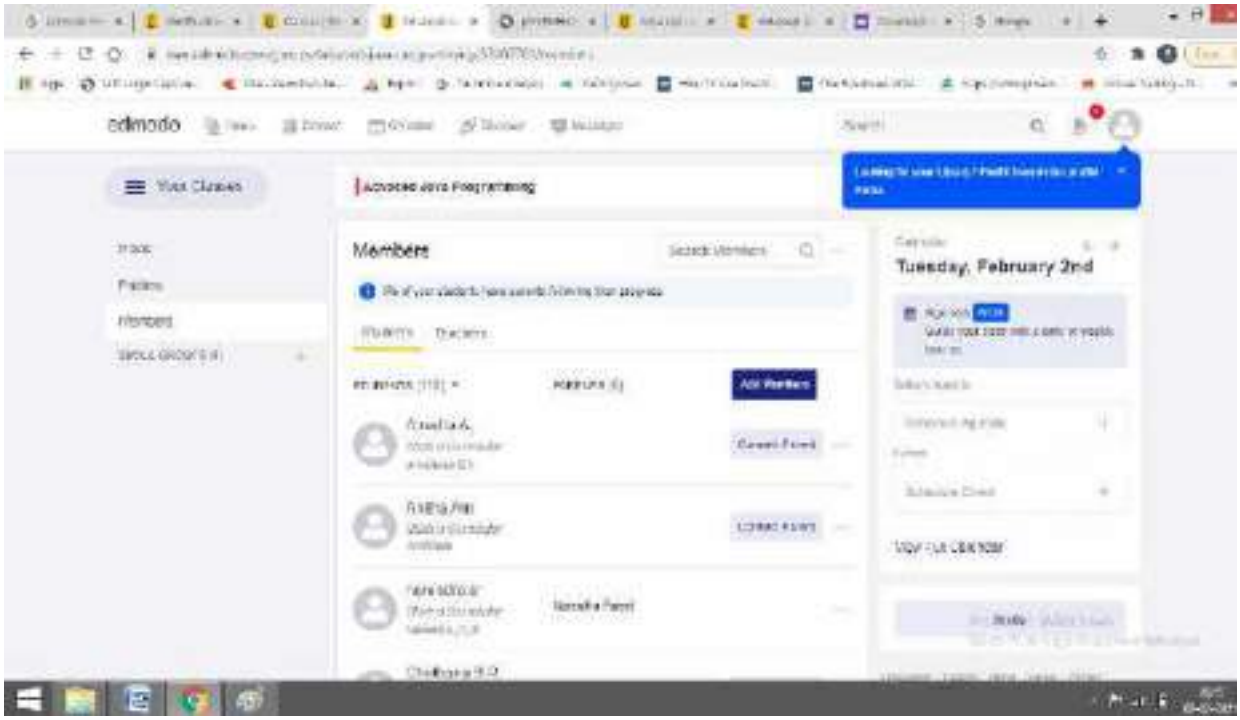
Quizzes.

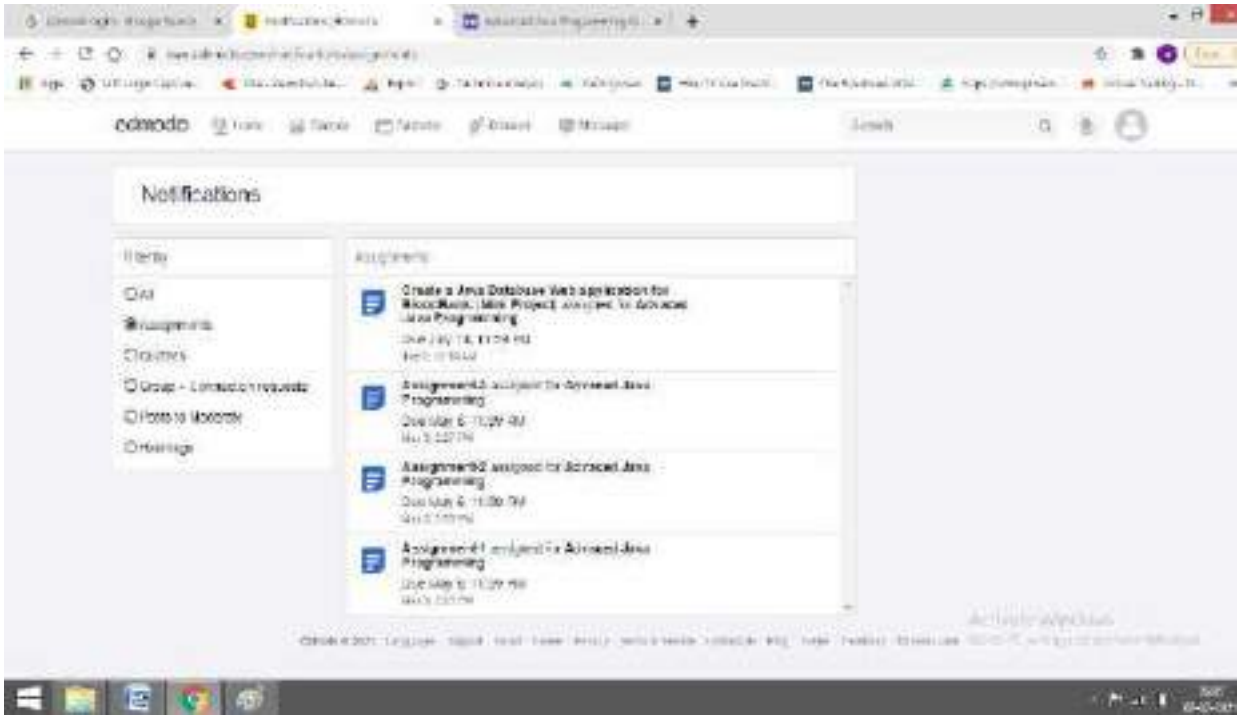
At the department we made use of Edmodo application to conduct quizzes, sharing notes through online. This has helped the students to learn the concepts and it brings improvement in learning.

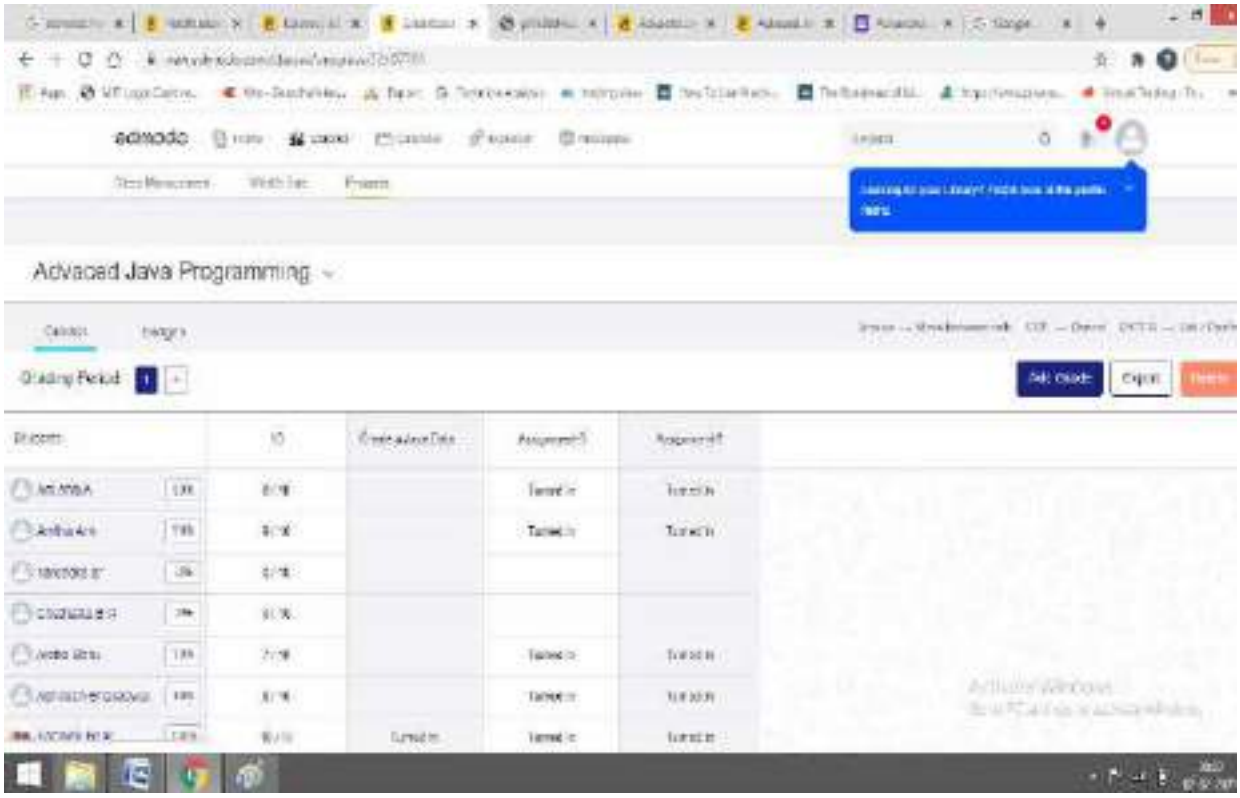


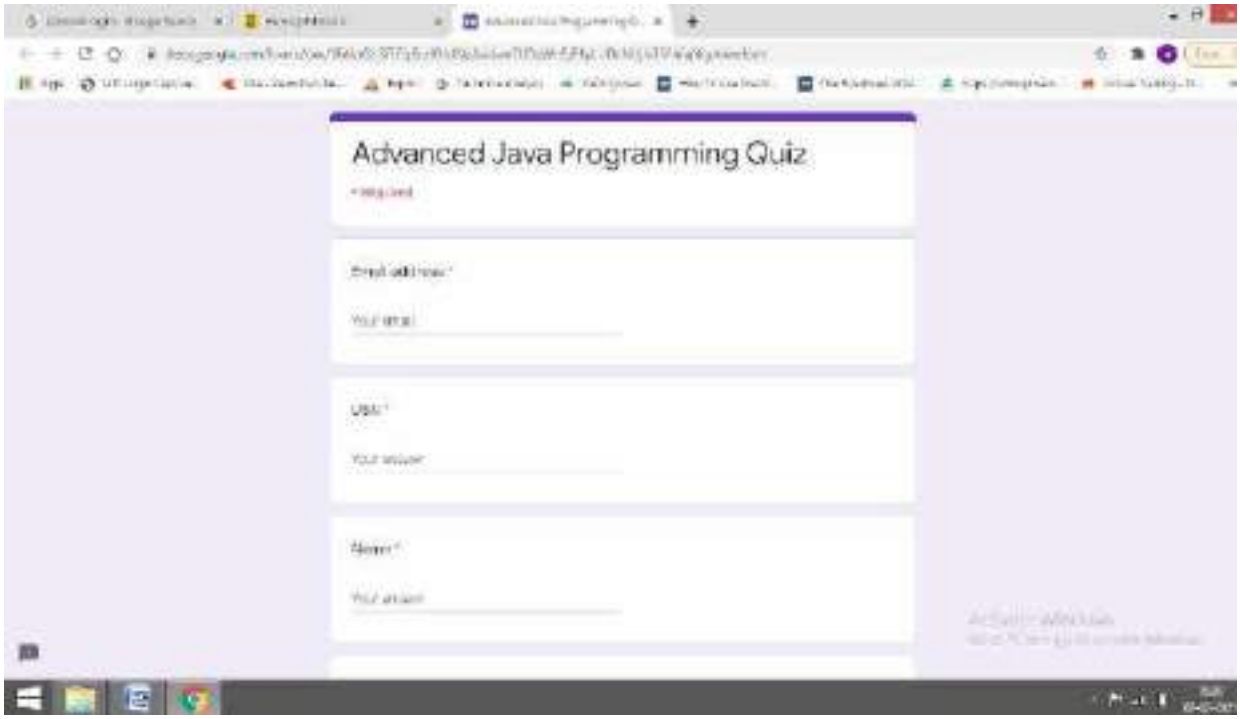


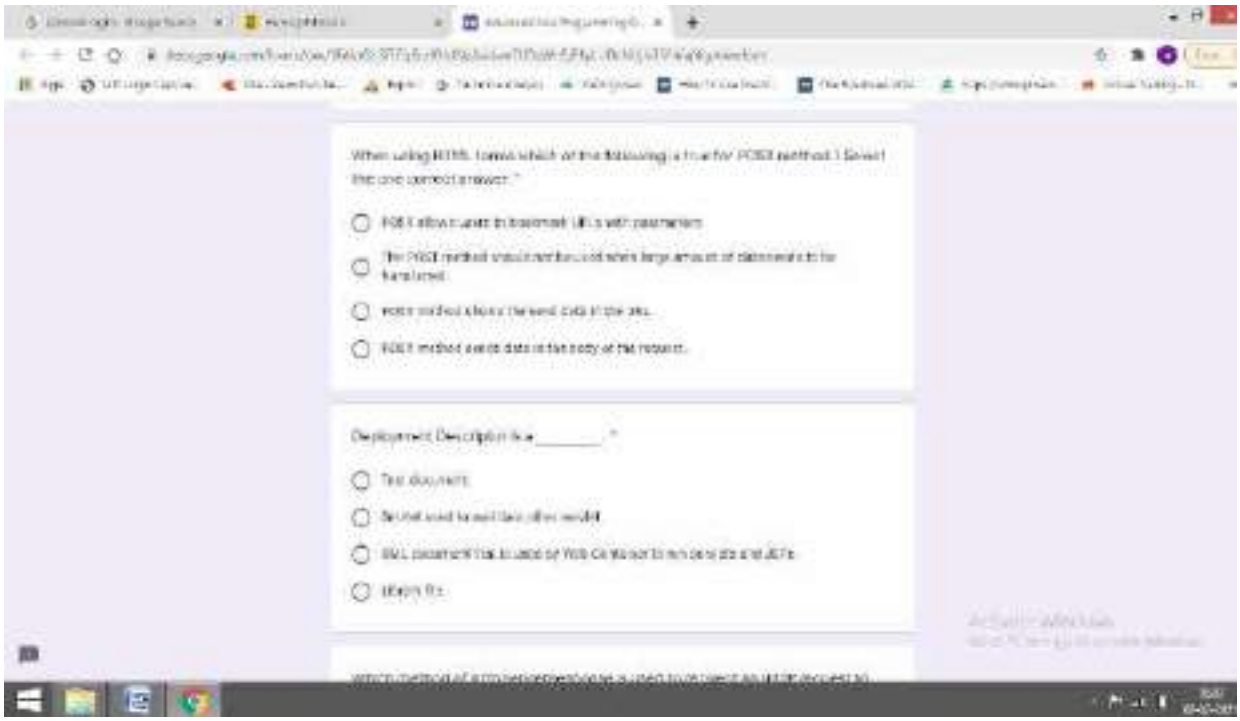

edmodo
My Classes
Subrahmanya Ra's Class
A_Section_DBMS
Advaced Java Programming
DBMS QUIZ-2_2019-20
Tuesday, February 2nd


edmodo
Members
Tuesday, February 2nd


Notifications


Advaced Java Programming





Instructional Materials are available on Departmental website developed by faculties:

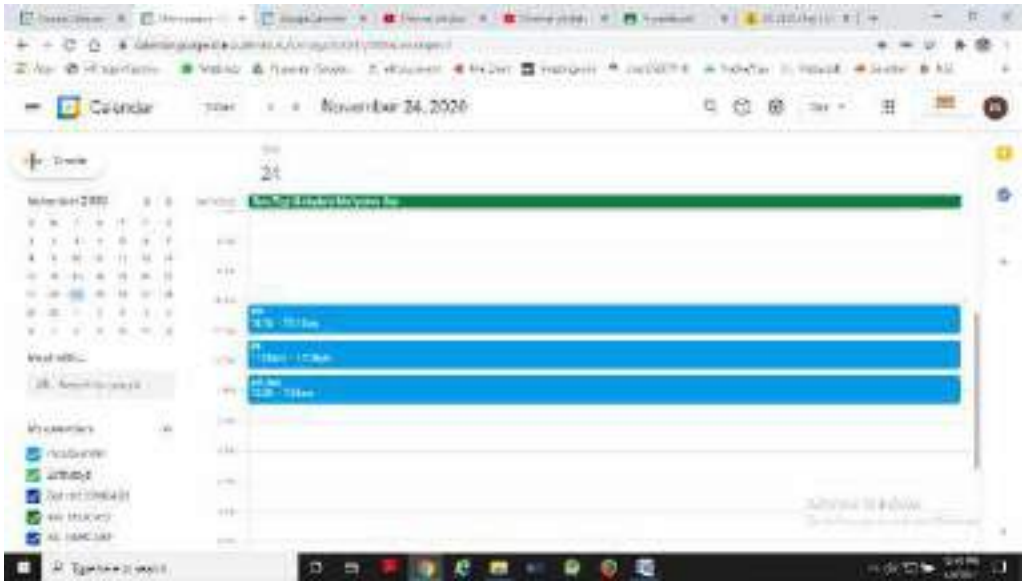
Links of E_Notes & PPTs:

Notes:

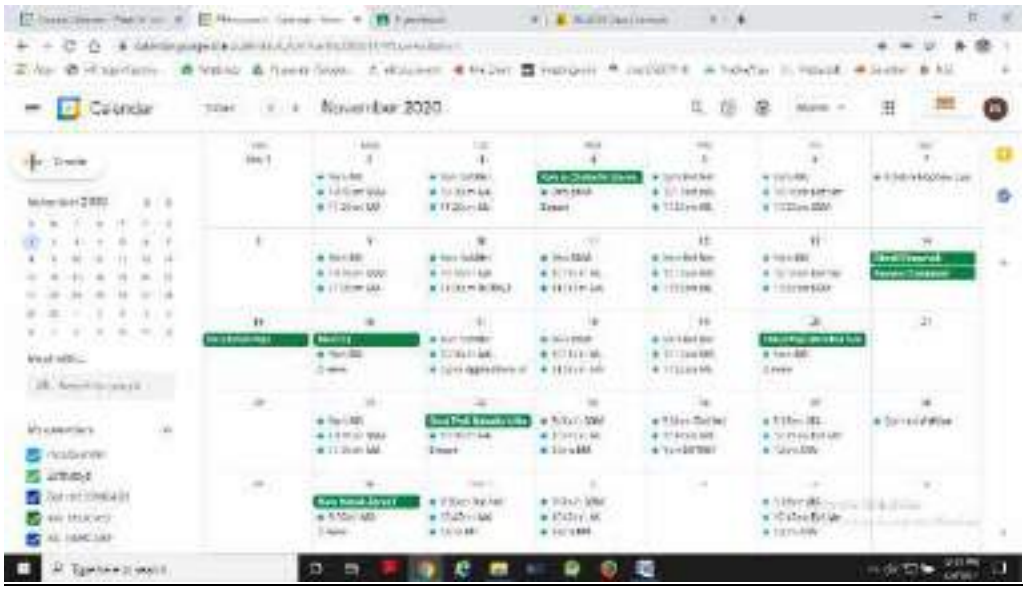
https://drive.google.com/drive/folders/1Q6BiyDIiJXgiIynnjtAGknADMpXhMt

z] We upload all the relevant materials via this Google Link, It helps student to understand the concepts clearly.

Google class room for online class



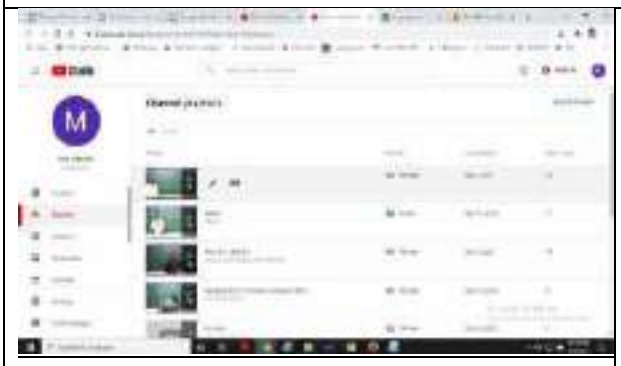
Google classes – calendar of online class



You Tube Channel of the MCA Department

Link:-

https://studio.youtube.com/channel/UC4c5Pl1z9ifR0Orc5yqfKVA/playlists



8. BASIC SCIENCE AND HUMANITIES

Information and Communication Technology [ICT]:

The new developments in information technologies have opened up a fresh perspective in teaching and learning. At the department, we make use of various ICT tools to improve instruction methods.

Use of ICT as classroom technology:

Use of ICT as classroom technology includes information presentation through overhead / LCD projectors, Television and Electronic boards, etc

Use of Information and Technology [ICT] as classroom technology

1.2 ICT implementation in online learning:

The National Program on Technology Enhanced Learning [NPTEL] is an initiative by seven IIT's and IISc for creating course contents in engineering and science. They create content for numerous courses as web-based supplements and many complete video courses, for forty hours of duration per course.

At the department, faculties often refer to the NPTEL course contents which will be useful for teacher training and through them improve the quality of students. Besides, the course materials (both web and video) are freely accessible on the NPTEL website.

ICT Enabled Classrooms – Chemistry Department

Classroom number: NBLH 557	Classroom number: NBLH 556

Classroom number: NBLH 551

Classroom number: NBLH 552

Classroom number: NBLH 452

Classroom number: NBLH 453

Classroom number:NBLH 252	Classroom number:Chemistry lab:151

List of Faculties using ICT Enabled Learning Facility (Dept - CHEMISTRY):

S/L	FACULTY NAME	Designation
1	DR. MANJU B	Professor & HOD
2	THRIVENI M K	Assistant Professor
3	SHIVA KUMAR K C	Assistant Professor
4	CHANDANA R	Assistant Professor

Innovation by the Faculty in Teaching and Learning

The faculty members of the Chemistry department ensure an effective and efficient teaching environment for the students by adopting and practicing the various innovations in teaching and learning. Following are some of the activities that contribute to the improvement of student learning.

Instructional Methods:

Lecturing:

Department faculty members follow the blackboard teaching methods, for the syllabus prescribed by the university, according to the lesson plan.

Peer Demonstrating:

Peer Demonstration helps to prove a fact through a combination of visual evidence and associated reasoning. Demonstrations help to raise student interest and reinforce memory retention because they provide connections between facts and real-world applications of those facts. Demonstrating instruction method means teaching through examples/experiments.

Usage of Google Classroom:

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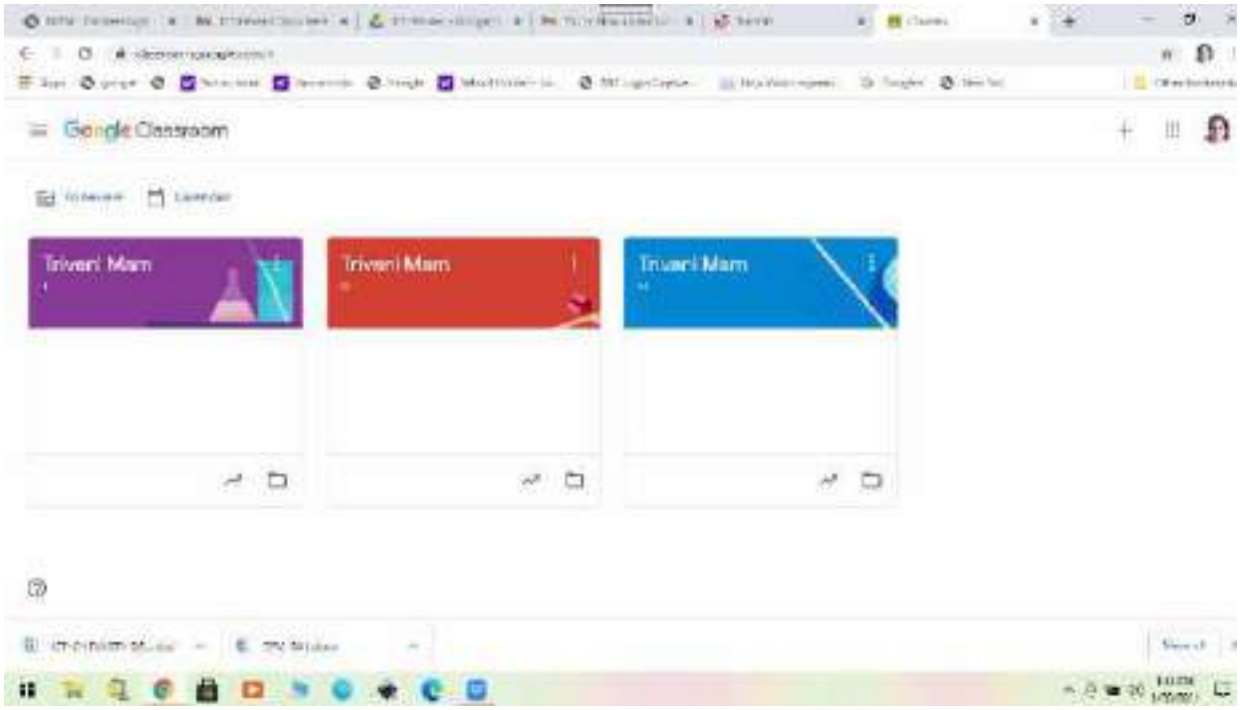


Instructional Materials are available on the Departmental website developed by faculties:

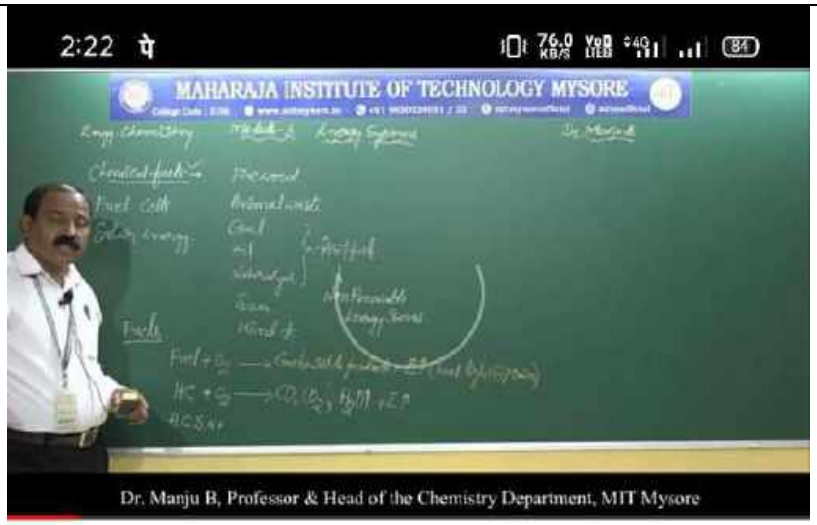
Links of E_Notes & PPTs:

Notes:

https://drive.google.com/drive/u/0/folders/1vNf8tAfsEXD0sm6upczwuz_6QDgDG4zl

- We upload all the relevant materials via this Google Link, It helps a student to understand the concepts clearly.

YouTube Channel of the Chemistry Department Link:- https://www.youtube.com/watch?v=xc_5MWeNlfs&t=3s https://youtu.be/rPTzw8IvsVI



First Sem Chemistry 18CHE12 M3 1 Prof BM

215 views · 3 months ago

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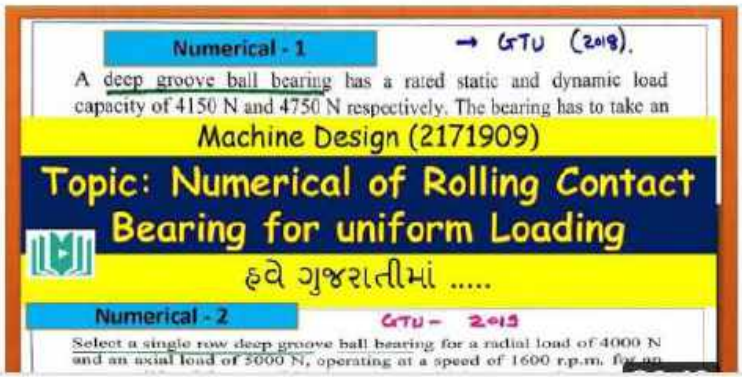

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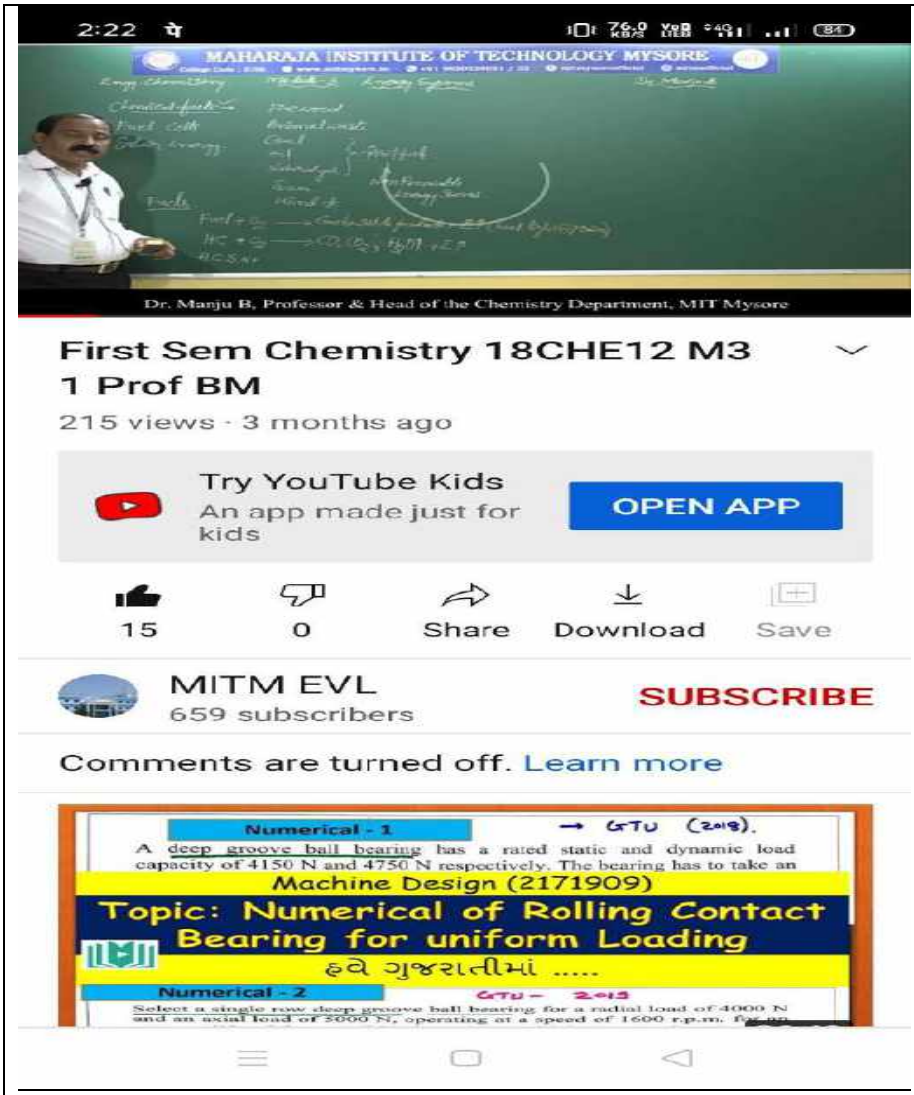

Information and Communication Technology [ICT]:

The new developments in information technologies have opened up a fresh perspective in teaching and learning. At the department, we make use of various ICT tools to improve instruction methods.

Use of ICT as class room technology:

Use of ICT as classroom technology includes information presentation through overhead / LCD projectors, Television and Electronic boards, etc

Use of Information and Technology [ICT] as classroom technology

ICT implementation in online learning:

The National Program on Technology Enhanced Learning [NPTEL] is an initiative by seven IIT's and IISc for creating course contents in engineering and science. They create content for numerous courses as web-based supplements and many complete video courses, for forty hours of duration per course.

At the department, faculties often refer to the NPTEL course contents which will be useful for teacher training and through them improve the quality of students. Besides, the course materials (both web and video) are freely accessible on the NPTEL website.

ICT Enabled Classrooms –Mathematics Department

Classroom number:556	Classroom number: NBLH 553

List of Faculties using ICT Enabled Learning Facility (Dept - Mathematics):

S/L	FACULTY NAME	Designation
1	Dr,. Srinivasa A H	Professor & HOD
2	Ajaykumar M	Assistant Professor
3	Indumathi R S	Assistant Professor
4	Seema S	Assistant Professor
5	Sindhushree M V	Assistant Professor
6	Nataraj K	Assistant Professor
7	Ajay C K	Assistant Professor
8	Purushotham S	Assistant Professor
9	Vinayak Bhandari	Assistant Professor

Instructional Methods:

Usage of Google Classroom:

Google Classroom is a free application designed by Google. Google Classroom helps teachers and students to communicate and can be used to organize and manage assignments, to go paperless, for collaboration between students and between teachers. Google Classroom allows teachers to add materials from a Google drive, connected to that Google Classroom lesson, add files and images from their computer, add a YouTube video or add any other link that teachers want students to visit.

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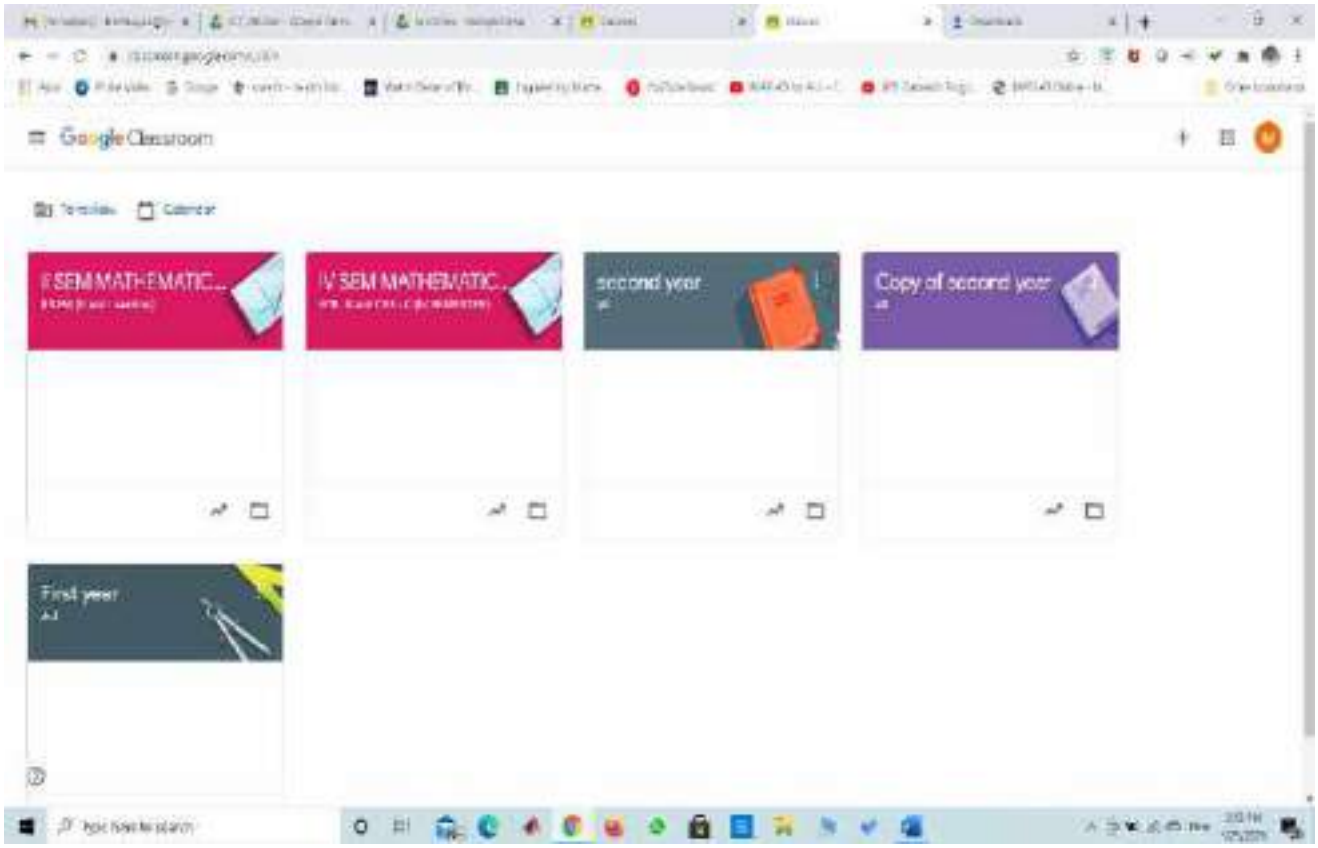
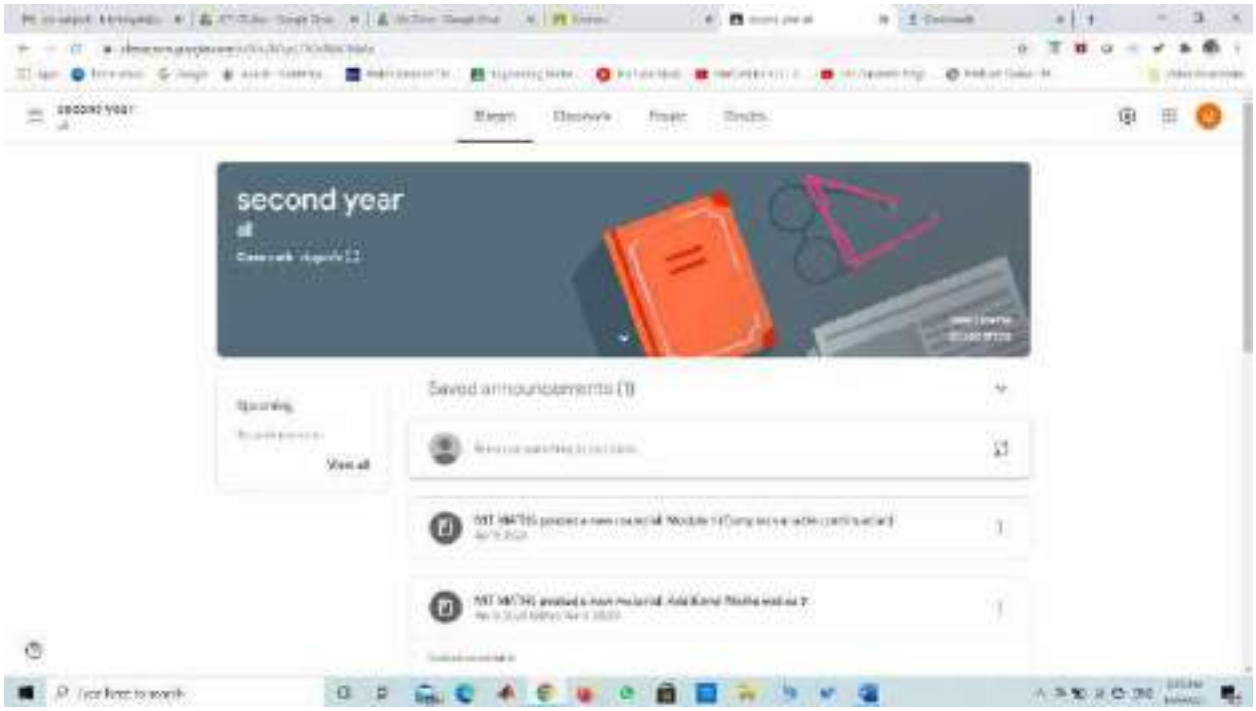
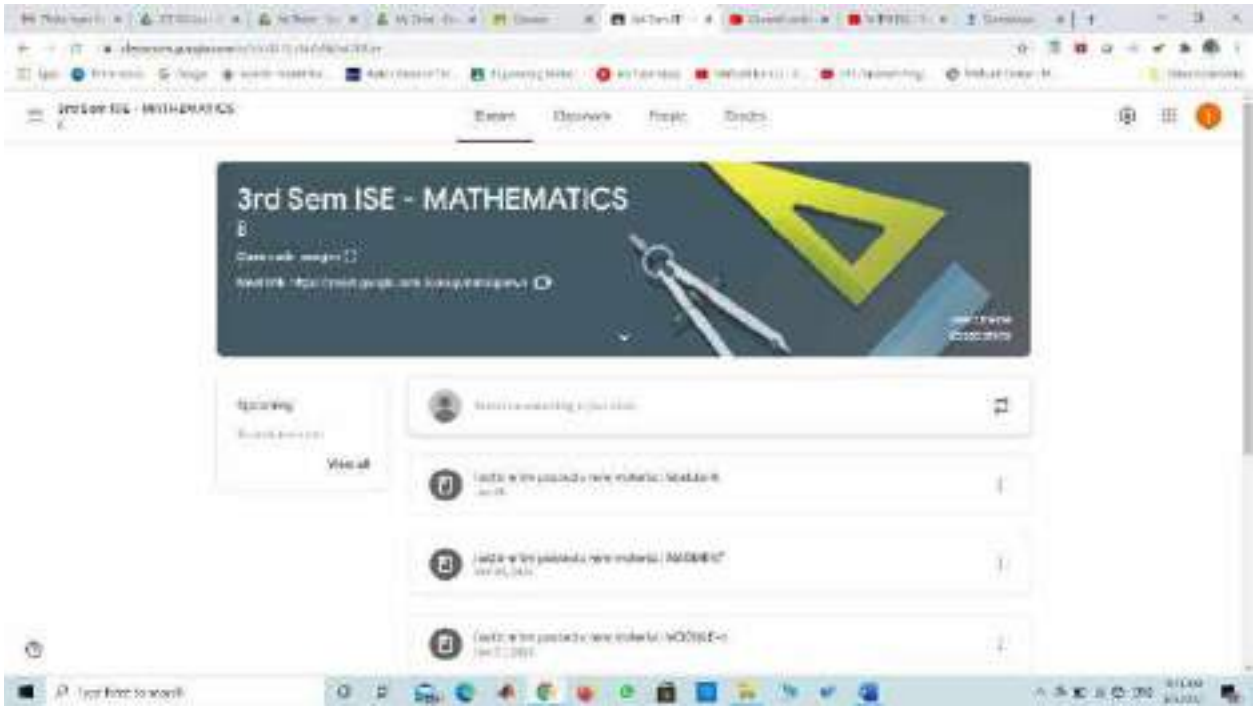

Google Classroom
II SEM MATHEMATIC...
IV SEM MATHEMATIC...
second year
Copy of second year
First year


second year
Stream
Classwork
People
Grades
Saved announcements (1)
View all



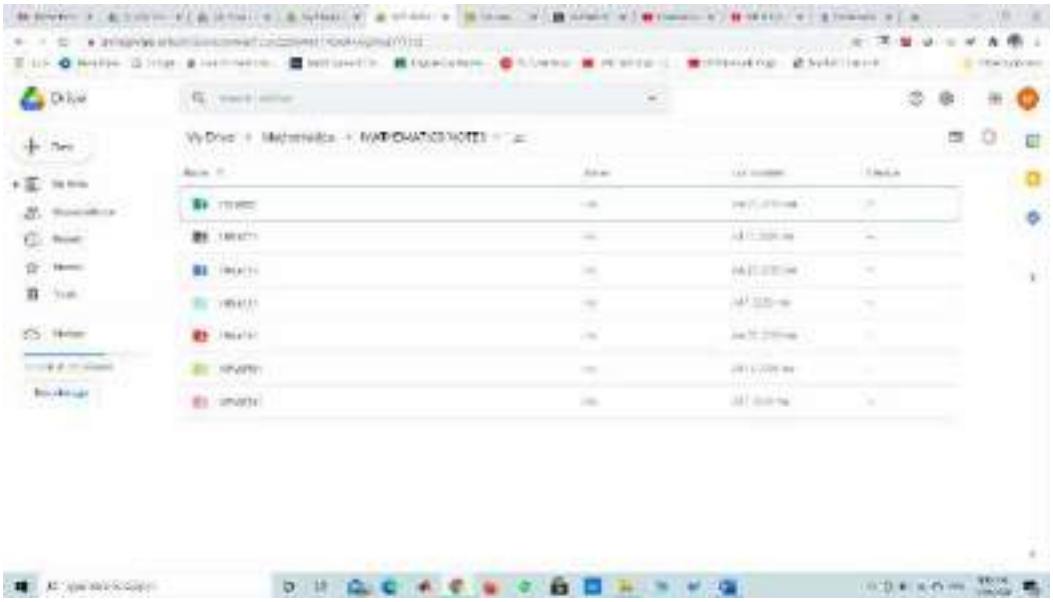
Instructional Materials are available on the Departmental website developed by faculties:

Links of E_Notes:

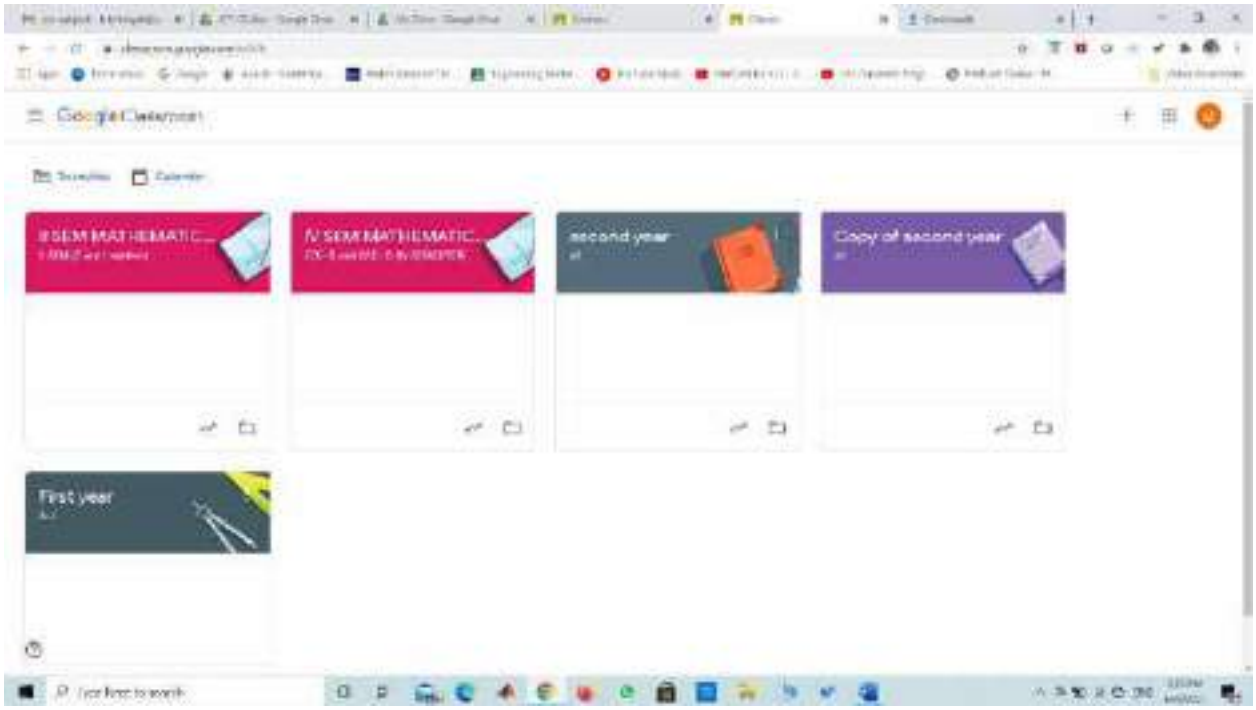
Notes:

https://drive.google.com/drive/folders/1cCk3dEBwfbkTF7CkBTHAigxKxZ1Vh96S?usp=sharing

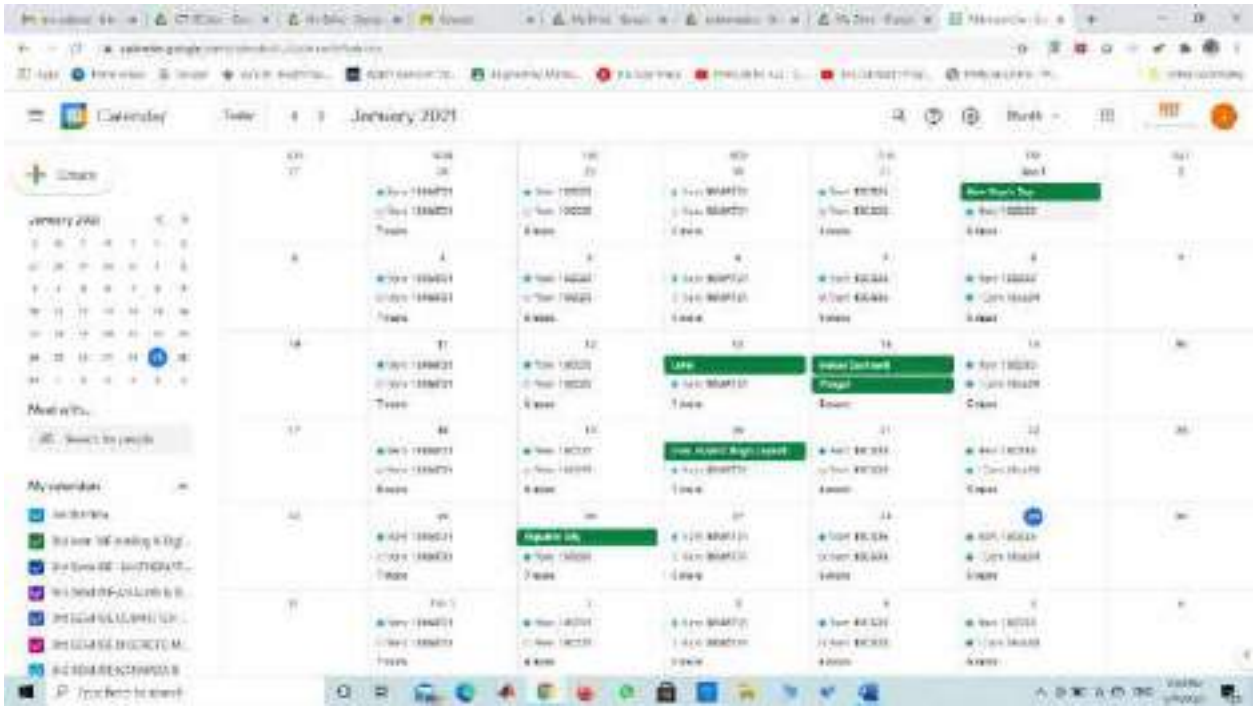
- We upload all the relevant materials via this Google Link, It helps student to understand the concepts clearly.

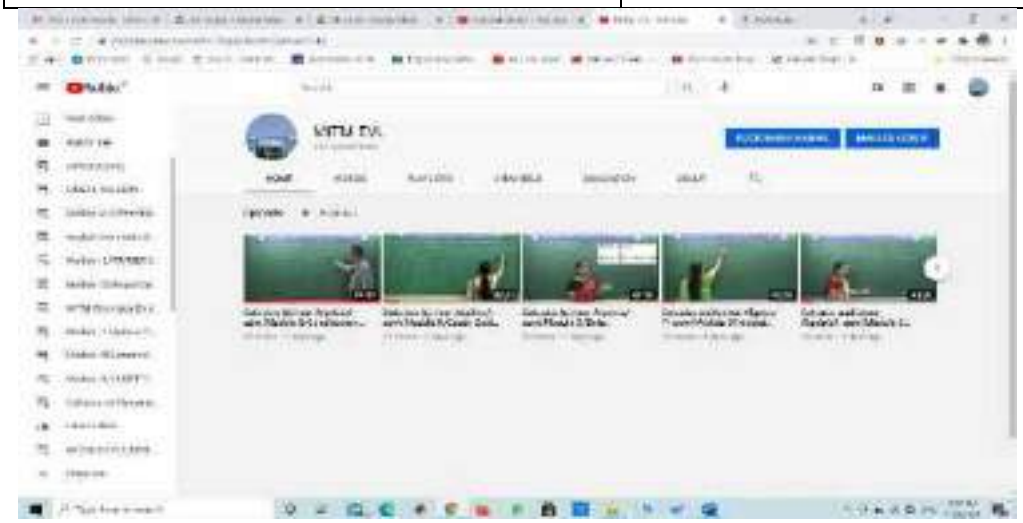


Google classroom for an online class



Google classes – calendar of online class



You Tube Channel of the MATHEMATICS Department

Link http://www.youtube.com/channel/UCBHgdp9wJVUAigNuau1E-lg